

Buddy Garcia, *Chairman*
Larry R. Soward, *Commissioner*
Glenn Shankle, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Protecting Texas by Reducing and Preventing Pollution

September 12, 2007

RECEIVED

OCT 11 2007

TCEQ
CENTRAL FILE ROOM

MR JON KIGGANS
HS&E DIRECTOR
DIAMOND SHAMROCK REFINING COMPANY LP
PO BOX 490
THREE RIVERS TX 78071

Permit by Rule Registration Number:	82209
Location/City/County:	301 Leroy Street, Three Rivers, Live Oak County
Project Description/Unit:	BTX Unit Vent Gas Stream
Regulated Entity Number:	RN100542802
Customer Reference Number:	CN600124861
New or Existing Site:	Existing
Affected Permit (if applicable):	50607, O1450
Renewal Date (if applicable):	None

Diamond Shamrock Refining Company, L.P. has certified the emissions associated with re-routing the BTX Unit vent gas stream from the BTX Unit boiler firebox (a control device) to the No. 2 West Plant/DOT Flare (Emission Point Number FL-006) under Title 30 Texas Administrative Code § 106.261. For rule information see www.tceq.state.tx.us/permitting/air/nav/numerical_index.html.

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements. This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. Jonathan Wilmoth, P.E. at (512) 239-0567.

Sincerely,

Certified Project Emissions:

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

VOCs	0.09	tpy
CO	0.36	tpy
NO _x	0.07	tpy

cc: Air Section Manager, Region 14 - Corpus Christi

Project Number: 132009

TECHNICAL REVIEW: AIR PERMIT BY RULE

Permit No.:	82209	Company Name:	Diamond Shamrock Refining Company, L.P.	APD Reviewer:	Mr. Jonathan Wilmoth, P.E.
Project No.:	132009	Unit Name:	BTX Unit Vent Gas Stream	PBR No(s).:	106.261

GENERAL INFORMATION			
Regulated Entity No.:	RN100542802	Project Type:	Permit by Rule Application
Customer Reference No.:	CN600124861	Date Received by TCEQ:	August 20, 2007
Account No.:	LK-0009-T	Date Received by Reviewer:	September 04, 2007
City/County:	Three Rivers, Live Oak County	Physical Location:	301 Leroy Street

CONTACT INFORMATION			
Responsible Official/ Primary Contact Name and Title:	Mr. Jon Kiggans HS&E Director	Phone No.: Fax No.:	(361) 786-8286 (361) 786-2833
Technical Contact/ Consultant Name and Title:	Mr. Vaishali Shah Environmental Engineer	Phone No.: Fax No.:	(361) 786-8268 (361) 786-2833
		Email:	none
		Email:	vaishali.shah@valero.com

GENERAL RULES CHECK	YES	NO	COMMENTS
Is confidential information included in the application?		X	
Are there affected NSR or Title V permits for the project?	X		NSR Permit 50607, one pending permit application in the NSR IMS, see Communication Log for details; O1450, issued 11/30/2005 according to the Title V IMS
Is each PBR > 25/250 tpy?		X	
Are PBR sitewide emissions > 25/250 tpy?	NA	NA	The company represents that a regular NSR permit for the site has been to public notice.
Are there permit limits on using PBRs at the site?		X	
Is PSD or Nonattainment netting required?		X	
Do NSPS, NESHAP, or MACT standards apply to this registration?	X		NSPS A and J, MACT A and H
Does NOx Cap and Trade apply to this registration?		X	
Is the facility in compliance with all other applicable rules and regulations?	X		

DESCRIBE OVERALL PROCESS AT THE SITE
The Diamond Shamrock Refining Valero site is a refinery.

DESCRIBE PROJECT AND INVOLVED PROCESS
The company has submitted a registration for PBR 106.261 to reroute a small vent gas stream from the BTX Unit Ejector Condensate Receiver to the No. 2 West Plant/DOT Flare. The company represents that the vent gas stream was recently discovered and was not previously authorized under site-wide Permit 50607. The company references Special Condition 1 (addressed below) in Permit 50607. The company represents that the vent gas stream "was previously" routed to the BTX Unit boiler. The company has submitted this registration to make changes due to safety reasons.

TECHNICAL SUMMARY - DESCRIBE HOW THE PROJECT MEETS THE RULES
<p>The previous project (130238) for registration 82209 was closed with a deficiency letter. The deficiency letter addressed the following deficiencies:</p> <ul style="list-style-type: none"> Need a PI-7-CERT to certify that the flare is equally efficient or more efficient than the boiler as a control device and to certify that flare operations will not be degraded under this project. Provide fugitive emission calculations and demonstrate that fugitive emissions meet PBR 106.261 requirements. <p>For project 132009, the company has submitted a PI-7-CERT with supporting information; the company certifies that the flare is equally efficient or more efficient than the boiler as a control device, and the company certifies that the flare will operate as represented in the registration. Additionally, the company has submitted fugitive emission calculations, so the deficiencies have been addressed.</p> <p>Special Condition 1 of Permit 50607 requires that a permit amendment be submitted within 60 days of discovery; see Communication Log.</p> <p>The company certifies that the vent gas stream in this project contains no sulfur compounds. The company certifies that the flare EPN FL-006 is subject to NSPS A and MACT A and that the company will continue to comply with NSPS A and MACT A for flare EPN-006, as applicable.</p> <p>The company does not certify any MSS emissions or MSS changes under this project; see Communication Log.</p> <p>The 101.222(h)(1) deadline date for refineries to address authorization of MSS emissions was January 05, 2007.</p> <p>Highlighted 106.261 Requirements as Represented by the Company</p> <ul style="list-style-type: none"> The company represents that the distance to the nearest off-plant receptor is >100 feet. Other permits by rule and standard permits do not apply to these facilities. Total new or increased emissions, including fugitives, are less than or equal to 6.0 lb/hr and 10 tpy, each, for refinery petroleum fractions, carbon monoxide, and nitrogen oxides. The threshold limit value is greater than 200 mg/m³ or the chemical is not listed or referenced in 106.262 is not applicable to this registration. The company represents there will be no changes to or additions of any air pollution abatement equipment. Visible emissions, except uncombined water, will not exceed 5% opacity in any six-minute period.

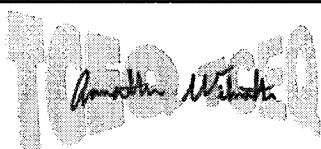


TECHNICAL REVIEW: AIR PERMIT BY RULE

Permit No.:	82209	Company Name:	Diamond Shamrock Refining Company, L.P.	APD Reviewer:	Mr. Jonathan Wilmoth, P.E.
Project No.:	132009	Unit Name:	BTX Unit Vent Gas Stream	PBR No(s).:	106.261

COMMUNICATION LOG				
Date	Time	Name/Company	Subject of Communication	
09/11/2007	8:45 AM	Mr. Patricio Griego / TCEQ, NSR Permits	Mr. Griego and the reviewer discussed a pending permit amendment for Permit 50607. Mr. Griego indicated that the permit amendment is for MSS, and Mr. Griego indicated that the company has added the vent stream to the permit amendment. Mr. Griego had no problems with approving this registration.	
09/11/2007	9:45 AM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P.	<p>The reviewer called.</p> <p>The registration indicates that the company is not applying for any federally enforceable emission limits under this registration. The reviewer checked internally, and this registration cannot be approved without also certifying the emissions.</p> <p>After discussion, Ms. Shah said the emissions in this registration are certified, federally enforceable emission limits.</p>	

ESTIMATED EMISSIONS													
EPN / Emission Source	Specific VOC or Other Pollutants	VOC		NOx		CO		PM ₁₀		SO ₂		Other	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
FL-006 / No. 2 West Plant/DOT Flare from Control of the BTX Unit Vent Gas Stream		0.01	0.05	0.04	0.07	0.17	0.36						
F-660 / West Plant Flare System Fugitives		0.01	0.04										
TOTAL EMISSIONS (TPY):			0.09		0.07		0.36						
MAXIMUM OPERATING SCHEDULE:		Hours/Day		Days/Week		Weeks/Year		Hours/Year		8760			

SITE REVIEW / DISTANCE LIMIT	Yes	No	Description/Outcome	Date	Reviewed by
Site Review Required?		X		09/11/2007	Mr. Jonathan Wilmoth, P.E.
PBR Distance Limits Met?	X		Distance to nearest property line: >100 feet. Distance to nearest off-plant receptor: >100 feet.	09/11/2007	Mr. Jonathan Wilmoth, P.E.

	TECHNICAL REVIEWER	PEER REVIEWER	FINAL REVIEWER
SIGNATURE:			
PRINTED NAME:	Mr. Jonathan Wilmoth, P.E.	Mr. Thomas Becker	Mr. Monico Banda
DATE:	09/11/2007	09/11/2007	09/11/07

BASIS OF PROJECT POINTS	POINTS
Base Points: 106.261	1.5
Project Complexity Description and Points: > 14 days old when received by reviewer	0.5
Technical Reviewer Project Points Assessment:	2.0
Final Reviewer Project Points Confirmation:	2.0

09/12/2007 ----- NSR PERMITS IMS- PROJECT RECORD -----

PROJECT#: 132009

PERMIT#: 82209

STATUS: P

DISP CODE: C

RECEIVED: 08/20/2007

PROJTYPE: XRVW

RENEWAL:

FEE DATE:

FEE AMT: \$ 450

PROJ-ISSUE DATE: 9/12/07

STDY,PBR#,STDP: 0261

CHECK NUMBER: 61728

PROJECT NAME: BTX UNIT VENT GAS STREAM

GROUP: PAR

PAR1_2 : SUNIGA, RICHARD

GROUP: ART

TECHENGR : WILMOTH, JONATHAN

ADMIN REVIEW

A - PAR RECEIVED : 08/20/2007

A - PAR TRANSFER TO
APD :

08/22/2007

A - CENTRAL

REGISTRY UPDATED :

08/22/2007

ISSUED TO: DIAMOND SHAMROCK REFINING COMPANY LP

COMPANY NAME: DIAMOND SHAMROCK REFINING COMPANY LP

CUSTOMER REGISTRY ID: CN600124861

PRIMARY CONTACT INFORMATION

CONTACT TYPE: TECHNICAL CONTACT

NAME: MR VAISHALI SHAH

EMPLOYER NAME: DIAMOND SHAMROCK REFINING
COMPANY LP

PHONE: 361-786-8268 ext

STREET: PO BOX 490

CONTACT TYPE: RESPONSIBLE OFFICIAL

NAME: MR JON KIGGANS

EMPLOYER NAME: DIAMOND SHAMROCK REFINING
COMPANY LP

PHONE: 361-786-8266 ext

STREET: PO BOX 490

TITLE: ENVIRONMENTAL ENGINEER

FAX: 361-786-2833 ext

CITY/STATE, ZIP: THREE RIVERS, TX ,
78071-

TITLE: HS&E DIRECTOR

FAX: 361-786-2833 ext

CITY/STATE, ZIP: THREE RIVERS, TX ,
78071-**PROJECT INFORMATION**

UNIT: BTX UNIT VENT GAS STREAM

SIC: 2911

REGION: 14

ACCOUNT: LK0009T

REG ENTITY ID:

RN100542802

SITE NAME: DIAMOND SHAMROCK REFINING VALERO

COUNTY: LIVE OAK

CAPUNITS:

UNITTYPE:

CAPACITY:

CITY: THREE RIVERS

LOCATION: 301 LEROY ST

PUBLIC NOTICE

PUBLIC NOTICE REQUIRED?:

PN1 ALT LANGUAGE: NO

PN2 ALT LANGUAGE: NO

**EMISSION
RATES**

TONS/YR REDUCTION	NOX	CO	VOC	PM	SO2	OTHER	TOTAL
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PROJECT NOTES

COM.TECH: PROJECT ORIGINALLY ASSIGNED TO BONNIE EVRIDGE IN ERROR. TRANSFERRED TO JONATHAN WILMOTH ON 9/4/2007.

TECHNICAL ACTIVITY HISTORY

TR - ENGINEER RECEIVE PROJECT :	08/23/2007	TR - ENGINEER RECEIVE PROJECT :	09/04/2007	TR - INITIAL REVIEW COMPLETE :	09/10/2007
TELECON :	09/11/2007	TR - FINAL PKG TO TEAM LEADER :	09/11/2007		
TR - DEFICIENCY CYCLE :	09/11/2007	09/11/2007			
TR - PEER REVIEW :	09/11/2007	09/11/2007	TR - PROJECT TO ADMIN :	09/12/2007	

PROJECT ATTRIBUTES**PROJECT LINK****PROJECTS/PERMITS VOIDANCE**

08/22/2007 ----- NSR PERMITS IMS- PROJECT RECORD -----

PROJECT#: 132009 PERMIT#: ~~82663~~ *82209* STATUS: P DISP CODE: _____
RECEIVED: 08/20/2007 PROJTYPE: XRVW RENEWAL: _____
FEE DATE: FEE AMT: \$ 450 PROJ-ISSUE DATE: _____
STDX,PBR#,STDP: 0261 CHECK NUMBER: 61728
PROJECT NAME: BTX UNIT VENT GAS STREAM

GROUP: PAR

PAR1_2 : SUNIGA, RICHARD

GROUP: ART

TECHENGR : EVRIDGE, BONNIE *Jonathan*

ADMIN REVIEW

A - PAR RECEIVED : 08/20/2007 A - PAR TRANSFER TO APD : 08/22/2007 A - CENTRAL REGISTRY
UPDATED : 08/22/2007

ISSUED TO: DIAMOND SHAMROCK REFINING COMPANY LP

COMPANY NAME: DIAMOND SHAMROCK REFINING COMPANY LP

CUSTOMER REGISTRY ID: CN600124861

PRIMARY CONTACT INFORMATION

CONTACT TYPE: TECHNICAL CONTACT

NAME: MR VAISHALI SHAH

TITLE: ENVIRONMENTAL ENGINEER

EMPLOYER NAME: DIAMOND SHAMROCK REFINING COMPANY LP

PHONE: 361-786-8268 ext

FAX: 361-786-2833 ext

STREET: PO BOX 490

CITY/STATE, ZIP: THREE RIVERS, TX , 78071-

CONTACT TYPE: RESPONSIBLE OFFICIAL

NAME: MR JON KIGGANS

TITLE: HS&E DIRECTOR

EMPLOYER NAME: DIAMOND SHAMROCK REFINING COMPANY LP

PHONE: 361-786-8266 ext

FAX: 361-786-2833 ext

STREET: PO BOX 490

CITY/STATE, ZIP: THREE RIVERS, TX , 78071-

PROJECT INFORMATION

UNIT: BTX UNIT VENT GAS STREAM

SIC: 2911

REGION: 14

ACCOUNT: LK0009T

REG ENTITY ID: RN100542802

SITE NAME: DIAMOND SHAMROCK REFINING VALERO

COUNTY: LIVE OAK

CAPUNITS:

UNITTYPE:

CAPACITY:

CITY: THREE RIVERS

LOCATION: 301 LEROY ST

PUBLIC NOTICE

PUBLIC NOTICE REQUIRED?:

PN1 ALT LANGUAGE: NO

PN2 ALT LANGUAGE: NO

EMISSION
RATES

TONS/YR REDUCTION	NOX	CO	VOC	PM	SO2	OTHER	TOTAL
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PROJECT NOTES

TECHNICAL ACTIVITY HISTORY

TR - ENGINEER RECEIVE
PROJECT :*8/23/07*

TR - PROJECT TO ADMIN :

TR - FINAL PKG TO TEAM
LEADER :

TR - DEFICIENCY CYCLE :

TR - INITIAL REVIEW
COMPLETE :

DOC 8/5/07 WSHD:
TNN = 350030
X1 Date = 350031

TR - PEER REVIEW :

PROJECT ATTRIBUTES

PROJECT LINK

PROJECTS/PERMITS VOIDANCE

NSR Permit/Registration Application Processing Checklist for PBR

APPLICATION RECEIPT AND PROJECT CREATION SECTION:

After the project is created and after any changes are made to the project, ensure you click the WP Button before you move onto another project.

FOLDER PREPARATION:

- ☒ **Prepare file folder for public file (Non-Confidential Information only)**
 - ☒ File order: application, core, check, letter, attachments
 - ☒ Add file label
 - ☒ Application/Permitting Request date stamped on Team received date. Date stamped the entire PI form or request letter, Cover letter, and check and then random pages throughout the rest of the submittal package.
- ☐ **Prepare Confidential file folder if applicable (see page 2- V. a.)**
- ☐ Stamped folder with confidential stamp and cross-reference confidential materials in public file
- ☐ Confidential Folder is labeled
- ☐ Date stamp ALL pages of confidential file

CREATING PROJECT RECORD: (ensure you enter the following into IMS based on info on the application)

- ☒ Verify Project Type - before you select create
- ☒ Enter Unit Name
- ☒ Enter Nearest City
- ☒ Select County
- ☒ Enter Site Location Information
- ☒ Enter Applicable STX Code (PBRs and Standard Permits - Must be four digits, precede with zero if needed & use commas to separate multiple entries)
- ☒ Enter fee information if applicable
- ☒ Enter Agency Received Date (this is the earliest agency received date, usually on cover letter)
- ☒ Select Permit Number (should it receive a new or existing number?)
- ☒ Check IIA for type of facility: Permanent or Portable - for **PORTABLES**: Flag as a portable unit in project attributes
- ☐ Enter Permit Renewal Data if applicable
- ☒ Enter Official Name and Contact Information (2 steps) (Responsible Official)
- ☒ Enter Technical Contact Name and Contact Information if applicable (2 steps)
- ☒ Enter Tracking Elements - APIRT Received Date (Par Received)
- ☒ Enter PARSTAFF Role (usually automatic, just verify)
- ☐ Enter Technical Engineer Team (Staff Assignments) after receiving afternoon staff email

APPLICATION REVIEW SECTION:

If any corrections are needed, please verify with applicant before making any changes. Use a phone memo to record corrections needed & approved by applicant, ensure you list the person who approved corrections and title (if possible). Please use your professional judgment when making corrections and if necessary seek assistance.

- ☒ Is Company mailing address listed with USPS? Yes or No; if no, application was corrected (print webpage)
- ☒ Verified Applicants' Legal Name as needed through SOS website (print webpage)
 - ☐ For Individuals, complete name of individual has been provided.
 - ☐ For Companies, complete legal name as registered with SOS (**Active and In Use**) has been provided.
 - ☐ Charter number as provided by SOS _____

*If charter number not provided or name does **NOT** match SOS filing:*

- ☐ Called applicant to confirm correct information - note on phone memo
- ☐ Governmental Agency, Rail Roads, Insurance Companies, and Banks (no verification required but use consistent entry of full name in IMS)
- ☐ If name on the application is significantly different than the Legal Name, **the applicant must fax in correction. After confirmation with applicant**, minor changes may be corrected and initialed by staff (**for example: Inc. to Incorporated and transposed letters or numbers**)
- ☐ Check for Houston Air Toxics applications - email to Johnny and Don
- ☐ Verified mikey for accuracy (for example: company name, permit number, project type, region, technical engineer group, contact information)
- ☐ ASSIGN YOUR NAME & ROLE TO THE PROJECT AS PARSTAFF 1_2 OR PARSTAFF 2
- ☐ Verified fee information

- ☐ Enter fee amount
- ☐ Enter fee check, money order, voucher, etc...number
- ☐ Copy of Check in file (not required)
- ☐ Fee not applicable

Central Registry (Print and keep all documents for file folder)

NOTE: If there are any existing RN(s) at the same site that we are trying to create a new RN for, please write on the fax form the existing RN(s) so that CR staff is aware that we are wanting a new RN and can not use one of the existing RN(s). Please write "Please Expedite" if a new CN/RN is needed ASAP.

- ☐ **Verify no duplicate entries for application** - in IMS pull by RN# - verify by check number, address, rule #
- ☐ If no RN#, use company name to verify no duplicate entries for that application
- ☐ **Core Data Cross Reference** - In CR - pull by RN# - click on site name to open
- ☐ Compare Core Data Form and mikey to CR
 - ☐ Pg 2 (site information) - mark changes to be made on Core Data Form
 - ☐ Pg 1 (customer information) - make sure one box is checked in each of sections 5-7
- ☐ If there is **NOT** a Core Data Form - check CR and verify there are no empty mandatory fields
- ☐ **If there is no RN # provided on application:**
- ☐ Research to verify no RN# existing. Search CR by company name, county, address and Facility Name-if none create one
- ☐ Enter by customer name
- ☐ Compare business name
- ☐ Compare customer core data form to CR & application (mandatory fields)
- ☐ If there is **NOT** a Core Data Form - check CR and verify there are no empty mandatory fields
- ☐ **If there are changes**
 - ☐ Correct changes on the Core Data Form (*if there are changes, white out any incorrect information so CR doesn't update good information with incorrect information*)
 - ☐ If no existing CN# or RN# - request using CR fax coversheet (see below)
 - ☐ Create coversheet to CR (or send email if just 1-2 items)
 - ☐ APD menu on desktop
 - ☐ APIRT/ NSR/MISC/CR Fax form
 - ☐ Update sections: pages, 1st request, mark registration at bottom
 - ☐ Place copy in file with fax confirmation sheet

(Make sure when submitting Core Data Form that all incorrect information is removed. If there is no change to customer info, must have at least customer name and address to send to CR)
- ☐ Sent e-mail to CR to update Permit/Registration or phone number
- ☐ Entered IMS Central Registry Updated **tracking element** if applicable (for permit/phone # update)
- ☐ **Requested or Updated CN/RN numbers? Y N**
- ☐ Entered IMS tracking element to indicate **date request sent** if applicable (for new/update RN/CN#)
- ☐ Entered IMS tracking element to indicate **date request received** if applicable (for new/update RN/CN#)
- ☐ **When CR sends back new RN# or CN#:**
 - ☐ In CR - pull up permit #
 - ☐ Verify the Permit #, CN# and RN# are there
 - ☐ Add to General IMS (use site with company name)
 - ☐ Should not be there - Add: site name, RN#(in CR ID field), SIC code, Submit)
 - ☐ Add to project in IMS:
 - ☐ Project #
 - ☐ Project information
 - ☐ Click Registered Entity to add RN#
 - ☐ Click Issue to for CN#
 - ☐ Add tracking - CR requested/updated
- ☐ **When CR sends back an update or add permit number:**
 - ☐ Verify the change in CR
- ☐ Place copy of request, fax confirmation, and CR reply in file
- ☐ If needed associate project with New RN
- ☐ Not applicable

Site Review - Prepared & faxed Site Review "Request for Comment" (Print & keep all documents for file folder)

- ☐ Is there a local program? Y N
- ☐ APD menu

- ☐ APIRT/NSR/Request for Comment/Permit by Rule
- ☐ Enter project number
- ☐ Enter today's date
- ☐ Select recipient - based on ART/CCRT, etc.
- ☐ Send email - yes
- ☐ Change: Date/Contact information/Local Program Y N/
- ☐ Save electronic copy- "Save document using application dialog" - in Site Review folder (permit #.doc)
- ☐ Made sure the SR/RFC request indicated the appropriate contact for returning the review
- ☐ Email SR/RFC to Region and placed in file along with fax confirmation
- ☐ Sent SR/RFC to appropriate local program as applicable
- ☐ Print and file properties page of email to region and local program
- ☐ Entered IMS SR/RFC and local program tracking elements and date sent in IMS
- ☐ SR/RFC not applicable
- ☐ **Verified signature on application. Applies only to PI-1 forms. If not signed and box IIIa is checked yes - don't need this form - call them. If original signature not provided, place application in an admin def. status and begin NOD processing same day. (Faxed PBRs are acceptable.)**

Deficiencies with application

- ☐ No deficiencies
- ☐ Noted phone call(s) on a memo documenting corrections needed & response (put date by each phone call).
- ☐ Entered date of phone call in IMS using the admin **deficient tracking** element, then the A-telcons for additional call.
- ☐ Entered date in admin **deficient tracking** element when applicant responds to request for information.

FINAL REVIEW SECTION

- ☐ Add staff assignments (Technical Engineer Team)
- ☐ Enter PARTRANS Date in tracking
- ☐ Print updated mikey and place in file
- ☐ Check file label to verify RN # and Permit # remain the same
- ☐ Include hard copy of all emails in file (sent and received from CR, customer, APIRT, etc.)
- ☐ Include phone log for all calls
- ☐ Confirm that all required IMS updates and tracking elements were entered on the project record (as applicable)
- ☐ Is the application form submitted a current version and is all required information provided? Y N
- ☐ Application entered into IMS (received date will be the earliest agency received date which includes other program areas) See NSR guidance information and central registry data standards.
- ☐ Researched site specific account number or RN to complete entry (use IMS, PSDB, and CR for research of site).
- ☐ Researched applications to avoid duplicate entry (call tech staff or applicant to confirm before creating a new project if you can not make the determination).

NOTES:

261 & 262 - Always get new permit/registration #
 352 & 512 - Always use old permit/registration # (unless new company)
 Use Site name for project, unit and site information
 512 alone - ask Sharon/Johnny

Richard Suniga - Re: Please add registration no.

From: Cristina Jarosek
To: Richard Suniga
Date: 8/22/2007 9:47 AM
Subject: Re: Please add registration no.
CC: Johnny Bowers

The updates you requested have been completed. See weblink below:

[http://ntispprd/reporting/RE_Reporting/Index.cfm?
fuseaction=re_detail&command=LIST&historical_cust=N&re_id=777522242001296](http://ntispprd/reporting/RE_Reporting/Index.cfm?fuseaction=re_detail&command=LIST&historical_cust=N&re_id=777522242001296)

Thanks,
Cristina

>>> Richard Suniga 8/21/07 2:38 PM >>>

Please add pending registration no. 82663 to RN 100542802 (Diamond Shamrock Refining Company LP)

APIRT has the original.

Thanks!

Richard Suniga
Air Permit Initial Review Team
512.239.5325

Richard Suniga - Please add registration no.

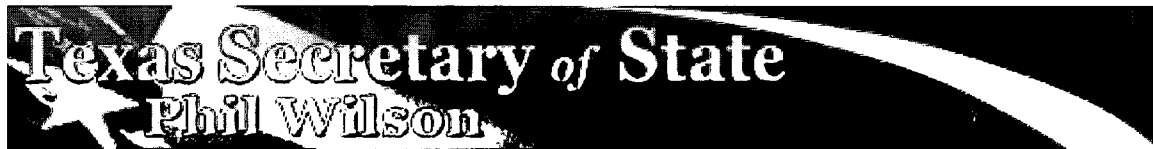
From: Richard Suniga
To: registry
Date: 8/21/2007 2:38 PM
Subject: Please add registration no.

Please add pending registration no. 82663 to RN 100542802 (Diamond Shamrock Refining Company LP)

APIRT has the original.

Thanks!

Richard Suniga
Air Permit Initial Review Team
512.239.5325

[UCC](#) | [Business Organizations](#) | [Trademarks](#) | [Account](#) | [Help/Fees](#) | [Briefcase](#) | [Logout](#)**NAME AVAILABILITY SEARCH**

This search was performed on with the following search parameter:

ENTITY NAME : diamond shamrock refininig company

<u>Mark</u>	<u>Filing Number</u>	<u>Name</u>	<u>Entity Type</u>	<u>Entity Status</u>	<u>Name Type</u>	<u>Name Status</u>
<input type="radio"/>	7190711	DIAMOND SHAMROCK REFINING COMPANY, L.P.	Foreign Limited Partnership	In existence	Legal	In use
<input type="radio"/>	7448406	DIAMOND SHAMROCK STATIONS, INC.	Foreign For-Profit Corporation	In existence	Legal	In use

[Return to Order](#)[New Search](#)**Instructions:**

- To view additional information pertaining to a particular filing select the number associated with the name.
- To place an order for additional information about a filing select the radial button listed under 'Mark' that is associated with the entity and press the 'Order' button.

[USPS Home](#) | [FAQs](#)[ZIP Code Lookup](#)**Find a ZIP + 4® Code By Address Results**

You Gave Us
PO BOX 490
THREE RIVERS TX

[Lookup Another ZIP Code™](#)**Full Address in Standard Format ?**

PO BOX 490
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What type of registration?

08/21/2007

GSR Daily APIRT Report

<u>Reviewer Name</u>	<u>PAR Staff</u>	<u>group_co</u>	<u>Region_nu</u>	<u>proj_num</u>	<u>permit_num</u>	<u>Std_x_pbr</u>	<u>company_name</u>	<u>received</u>
Anthony Akhetuamen	JENNIFER BEATTY	ART	5	131950	82646	0261,0262	EASTMAN CHEMICAL COMPANY	08/17/2007
Bonnie Evridge	RICHARD SUNIGA	ART	1	131951	82653	0436	AUTOPLEX AUTOMOTIVE LP	08/17/2007
Dana Johnson	JENNIFER BEATTY	ART	12	131952	82651	0478	OILTANKING TEXAS CITY LP	08/17/2007
Dennis Chanmugan	RICK SMATHERS	ART	10	131953	82647	6001	THE PREMCOR REFINING GROUP INC	08/17/2007
Donna Wurst	JENNIFER BEATTY	ART	3	131958	82649	0227,0320,0433,(PEERLESS MFG CO	08/15/2007
Innocent Onuoha	RICHARD SUNIGA	ART	4	131961	82652	0261,0472,0478	INSIGHT EQUITY ACQUISITION PARTNERS LP	08/17/2007
Jennifer Pfeil	JENNIFER BEATTY	ART	10	131971	46332	6002	DCP MIDSTREAM LP	08/17/2007
Jonathan Wilmoth	RICK SMATHERS	ART	12	131985	82654	0261	THE GOODYEAR TIRE & RUBBER COMPANY	08/20/2007
Irma Villarreal	JENNIFER BEATTY	ART	9	131986	82655	0494	JUSTIN HAMMOND BROILER FARM	08/20/2007
Hollye Long	JENNIFER BEATTY	ART	5	131999	82656	0352,0512	ENERVEST OPERATING LLC	08/20/2007
Julie Steger	JENNIFER BEATTY	ART	10	132000	79507	0352	SPRINGFIELD PIPELINE LLC	08/20/2007
Kevin Whitenight	MICHAEL PARTEE	ART	12	132001	82657	0261, 0262	EXXON MOBIL CORPORATION	08/20/2007
Marc Olivier	JENNIFER BEATTY	ART	4	132002	82658	0227,0265,0433,(FALCON STEEL COMPANY	08/20/2007
Rahel Tadesse	RICK SMATHERS	HRT	1	132003	82659	6001	CONOCOPHILLIPS COMPANY	08/20/2007
Irma Villarreal	MICHAEL PARTEE	ART	14	132004	53866L163	0302	ODLE JOHN	08/20/2007
	RICK SMATHERS		14	132005	43979	0000	HILCORP ENERGY COMPANY	08/20/2007
Raymond Lay	JENNIFER BEATTY	CCRT	5	132006	82660	0352,0512	ENERVEST OPERATING LLC	08/20/2007
Thomas Becker	MICHAEL PARTEE	ART	11	132007	82661	0144	HANSON PIPE & PRECAST INC	08/20/2007
Anthony Akhetuamen	RICK SMATHERS	ART	15	132008	53866L164	0302	ODLE JOHN	08/20/2007
Bonnie Evridge	RICHARD SUNIGA	ART	14	132009	82663	0261	DIAMOND SHAMROCK REFINING COMPANY LP	08/20/2007
Dana Johnson	MICHAEL PARTEE	ART	12	132012	82664L001	0146	CHERRY CRUSHED CONCRETE INC	08/20/2007
Dennis Chanmugan	RICK SMATHERS	ART	4	132017	82665	0143	APAC-TEXAS INC	08/20/2007
Donna Wurst	MICHAEL PARTEE	ART	1	132018	82151	0261	ARCHER DANIELS MIDLAND COMPANY	08/20/2007
Hollye Long	MICHAEL PARTEE	ART	14	132020	82524	0352, 0512	HILCORP ENERGY COMPANY	08/20/2007
Innocent Onuoha	RICK SMATHERS	ART	14	132023	82666	6001	ALCOA WORLD ALUMINA LLC	08/20/2007
Jennifer Pfeil	RICHARD SUNIGA	ART	5	132024	82667	0352,0512	CRATON ENERGY III HOLDINGS LP	08/20/2007
Jonathan Wilmoth	SHEILA MONROE	ART	14	132025	82668	6002	PIONEER NATURAL RESOURCES USA INC	08/20/2007
Julie Steger	MICHAEL PARTEE	ART	12	132026	82669	0227, 0265, 0436	GENERAL BODY TRUCK EQUIPMENT INC	08/20/2007
Kevin Whitenight	RICK SMATHERS	ART	13	132028	82670L001	6007	E E HOOD & SONS INC	08/20/2007
Marc Olivier	SHEILA MONROE	ART	5	132031	82672	0261, 0262	MCWANE INC	08/20/2007
Rahel Tadesse	RICHARD SUNIGA	HRT	13	132032	82671	0302	ODLE JOHN	08/20/2007
Raymond Lay	SHEILA MONROE	CCRT	7	132038	82673	0452	CEMEX CEMENT OF TEXAS LP	08/20/2007
Thomas Becker	RICHARD SUNIGA	ART	12	132040	82674	0512	CONOCOPHILLIPS COMPANY	08/20/2007
Anthony Akhetuamen	RICK SMATHERS	ART	12	132045	82677	0433	REEDHYCLOG LP	08/20/2007
Bonnie Evridge	RICK SMATHERS	ART	1	132047	81816	0352, 0512	INDIAN CREEK GAS PROCESSING GP LLC	08/20/2007
Dana Johnson	RICK SMATHERS	ART	5	132050	82678	0352, 0512	ENERVEST OPERATING LLC	08/20/2007



**Texas Commission on Environmental Quality
Registration for Permits by Rule (PBR)
Form PI-7 Submission Instructions**

132009 / 82663

I. REGISTRANT INFORMATION		Link to PI-7 Instructions
A. TCEQ Customer Reference Number: CN- 600124861 TCEQ Regulated Entity Number: RN- 100542802		
<i>Note: If "NO," CN or RN number was entered above; please fill out the required Core Data Form, which will be available in Step II of the submittal process.</i>		
B. Company or Other Legal Customer Name: Diamond Shamrock Refining Company, L.P., a Valero Company		
Company Official Contact Name: Jon Kiggans		Title: HS&E Director
Mailing Address: P.O. Box 490		
City: Three Rivers		State: TX Zip Code: 78071
Phone No.: 361-786-8286	Fax No.: 361-786-2833	E-mail Address:
C. Technical Contact Name: Vaishali Shah		
Company: Diamond Shamrock Refining Company, L.P.		
Mailing Address: P.O. Box 490		
City: Three Rivers		State: TX Zip Code: 78071
Phone No.: 361-786-8268	Fax No.: 361-786-2833	E-mail Address:
D. Facility Location Information - Street Address: 301 Leroy St.		
<i>If "NO," street address, provide written driving directions to the site: (attach description if additional space is needed)</i>		
City: Three Rivers		County: Live Oak Zip Code: 78071
II. FACILITY AND SITE INFORMATION		Link to PI-7 Instructions
A. Name and Type of Facility: BTX Unit Vent Gas Stream		<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Portable
B. PBR claimed under 30 TAC § 106 (List all that apply in hard copy, or choose all that apply from the drop down menus in electronic version):		
§ 106. 261 Facilities (Emission Limitations)		§ 106.
§ 106.		§ 106.
§ 106.		§ 106.
Are you claiming a historical standard exemption or PBR?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If "YES," enter effective date and Rule Number:</i>		
C. Are you registering a grandfathered facility? <i>If "YES," attach documentation of construction date:</i>		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
D. Is there a previous Standard Exemption or PBR for the facility in this registration? (Attach details regarding changes)		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If "YES," enter Registration Number and Rule Number:</i>		
E. Are there any other facilities at this site which are authorized by an Air Standard Exemption or PBR?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," enter Registration Number and Rule Number:</i>		Refer to TCEQ IMS
F. Are there any other air preconstruction permits at this site?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," enter Permit Numbers:</i>		Refer to TCEQ IMS
G. Is this site required to obtain an air federal operating permit?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," enter Permit Number:</i> O1450		
H. TCEQ Account Identification Number (if known):		LK-0009-T





**Texas Commission on Environmental Quality
Registration for Permits by Rule (PBR)
Form PI-7 Submission Instructions**

III. FEE INFORMATION		Link to PI-7 Instructions
<i>To determine if a fee is required answer the following question. If "YES," to question III. A., a fee is not required, skip to Section IV. If "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee or go to www.2.tceq.state.tx.us/epay to pay online.</i>		
A. Is this registration an update to a previously registered facility and accompanied by a Certification Form solely to establish a federally enforceable emission limit?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
B. What is the fee amount? <i>If "YES," to any of the following three questions, a \$100 fee is require. Otherwise, a \$450 fee is required.</i>		
Does this business have less than 100 employees?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Does this business have less than 1 million dollars in annual gross receipts?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Is this registration submitted by a governmental entity with a population of less than 10,000?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
C. Check/Money Order or Transaction Number (Payable to TCEQ):	61728	Was fee Paid online? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Company name of check: Sage Environmental Consulting, L.P.		Fee amount: \$450.00
IV. SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATION		Link to PI-7 Instructions
<i>Note: If claiming one of the following PBRs, complete this section, then skip to Section VI., "Submitting your registration" below:</i>		
<i>Animal Feeding Operations § 106.161 Livestock Auction Facilities § 106.162 Saw Mills § 106.223</i>		
<i>Grain Handling, Storage and Drying § 106.283 Auto Body Refinishing Facilities § 106.436 Air Curtain Incinerator § 106.496</i>		
A. Is the applicable PBR checklist attached which shows the facility meets all general and specific requirements of the PBR(s) being claimed?		<input type="checkbox"/> YES <input type="checkbox"/> NO
B. Distance from this facility's emission release point to the nearest property line:		feet
Distance from this facility's emission release point to the nearest off-property structure:		feet
V. TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REGULATORY REQUIREMENTS		
<i>Registrants must be in compliance with all applicable state and federal regulations and standards to claim a PBR.</i>		
A. Is Confidential information submitted and properly marked "CONFIDENTIAL" with this registration?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
B. Is a process flow diagram or a process description attached?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
C. Are emissions data and calculations for this claim attached?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
D. Is information attached showing how the general requirements (30 TAC § 106.4) of the PBR is met for this Registration? (PBR checklists may be used, but are optional)		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>Note: Please be reminded that if the facilities listed in this registration are subject to the Mass Emissions Cap & Trade program under 30 TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities must possess NO_x allowances equivalent to the actual NO_x emissions from these facilities.</i>		
E. Is information attached showing how the specific PBR requirements are met for this registration? (PBR checklist may be used, but are optional)		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
F. Distance from this facility's emission release point to the nearest property line:		>100 feet
Distance from this facility's emission release point to the nearest off-property structure:		>100 feet
<i>Note: In limited cases, a map or drawing of the site and surrounding land use may be requested during the technical review or at the request of the TCEQ Regional Office or local air pollution control program during an investigation.</i>		



VALERO
THREE RIVERS REFINERY

P.O. Box 490 • Three Rivers, Texas 78071-0490 • Telephone (361) 786-4610

August 17, 2007



Air Permits Division
Air Permits Initial Review Team
Registration, Review and Reporting Division, MC 161
P.O. Box 13087
Austin, Texas 78711-3087

91 7108 2133 3933 3370 4749

Re: PBR 106.261 Registration No. 82209 – Response to Deficiency Notice
BTX Unit Vent Gas Stream
Diamond Shamrock Refining Co., L.P.
Valero Three Rivers Refinery
Three Rivers, Live Oak County
Account No.: LK-0009-T
CN600124861, RN100542802

To Air Permits Team:

On June 15, 2007, Valero Three Rivers Refinery submitted 30 TAC 106.261 Permit by Rule (PBR) registration documentation to authorize the re-routing of a small vent gas stream from the refinery's BTX Unit Ejector Condensate Receiver to the No. 2 West Plant/DOT Flare. On August 2, 2007, Valero received notice of deficiency from your office requesting additional information in reference to the PBR 106.261 Registration No. 82209. The requested information is presented below and followed by Valero's response in **bold**.

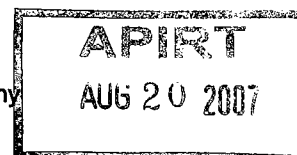
- TCEQ: Re-routing the BTX Unit vent gas stream to existing Flare FL-006 is considered addition of air pollution abatement equipment and is prohibited under 30 TAC § 106.261(a)(4) unless you can certify that the flare is an equally efficient or more efficient control device in comparison to the boiler firebox.

Valero: Based on the federal regulations such as NSPS QQQ {60.692-5(a)}, the efficiency requirements for the boiler is equal to or less than that required for flares. This is included in Section 2 of the attached PBR 106.261 (Attachment I).

- TCEQ: Please submit a Form PI-7-CERT to certify that Flare FL-006 will achieve the control efficiency represented in the registration and to certify that the overall operation of Flare FL-006 will still be in compliance with all applicable state and federal rules.

Valero: Per the above request, PI-7-CERT (Attachment II) is being submitted in order to certify control efficiency and operation of the Flare FL-006 as represented in the PBR.

Owned by Diamond Shamrock Refining Company, L.P., a Valero Company



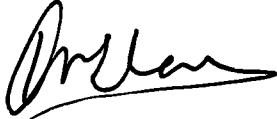
- TCEQ: Please submit fugitive emission calculations and demonstrate that fugitive emissions meet the requirements of PBR 30 TAC § 106.261.

Valero: Fugitive emission calculations are included in Appendix B of the attached PBR 106.261. Fugitive emissions meet the applicable requirements of PBR 106.261 as outlined in Appendix C of the attached.

Please find enclosed the revised PBR 106.261 (Attachment I) for your approval. PI-7-CERT form (Attachment II) is being submitted along with the PBR even though Valero is not applying for any federally enforceable emissions limit. PI-7-CERT form is included to only address TCEQ's request in the deficiency notice.

Valero sincerely appreciates your review of this matter. Should you have any questions or require additional information, please feel free to contact me at (361) 786-8268.

Sincerely,



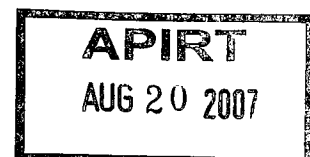
Vaishali Shah
Environmental Engineer

Attachments

91 7108 2133 3933 3370 4756

cc: Mr. David Turner, Air Section Manager, TCEQ Region 14 - Corpus Christi, TX
MC 214, P.O. Box 13088 - Austin, TX 78711-3088

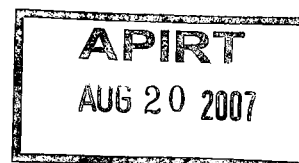
91 7108 2133 3933 3370 4763





Texas Commission on Environmental Quality
Form PI-7-CERT
Certification and Registration for Permits by Rule

I. REGISTRANT INFORMATION			
A. TCEQ Customer Reference Number: CN- 60012486		TCEQ Regulated Entity Number: RN- 100542802	
<i>Note: If "NO," CN or RN number was entered above; please fill out the required Core Data Form, which will be available in Step II of the submittal process.</i>			
B. Company or Other Legal Customer Name: DIAMOND SHAMROCK REFINING COMPANY, L.P., a VALERO COMPANY			
Company Official Contact Name: JON KIGGANS		Title: HS&E DIRECTOR	
Mailing Address: P.O. BOX 490			
City: THREE RIVERS		State: TX	Zip Code: 78071-0490
Phone No.: 361-786-8286	Fax No.: 361-786-2833	E-mail Address:	
C. Technical Contact Name: VAISHALI SHAH			
Company: DIAMOND SHAMROCK REFINING COMPANY, L.P.			
Mailing Address: P.O. BOX 490			
City: THREE RIVERS		State: TX	Zip Code: 78071
Phone No. : 361-786-8268	Fax No.: 361-786-2833	E-mail Address:	
D. Facility Location Information - Street Address: 301 LEROY			
<i>If "NO," street address, provide written driving directions to the site: (attach description if additional space is needed)</i>			
City: THREE RIVERS		County: LIVE OAK	Zip Code: 78071
II. FACILITY AND SITE INFORMATION			
A. Name and Type of Facility: BTX UNIT VENT GAS STREAM			<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Portable
B. PBR claimed under 30 TAC § 106 (List all):			
§ 106.261 FACILITIES (EMISSION LIMITATIONS)		§ 106.	
§ 106.		§ 106.	
§ 106.		§ 106.	
Are you claiming a historical standard exemption or PBR? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
<i>If "YES," enter effective date and Rule Number:</i>			
C. Is there a previous Standard Exemption or PBR for the facility in this registration? (Attach details regarding changes)			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If "YES," enter Registration Number and Rule Number:</i>			
D. Are there any other facilities at this site which are authorized by an Air Standard Exemption or PBR?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," enter Registration Number and Rule Number:</i>		REFER TO	TCEQ IMS
E. Are there any other air preconstruction permits at this site?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," enter Permit Numbers:</i>		REFER TO	TCEQ IMS
F. Is this site required to obtain an air federal operating permit?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," enter Permit Number:</i>		O1450	
G. TCEQ Account Identification Number (if known):		LK-0009-T	





Texas Commission on Environmental Quality
Form PI-7-CERT
Certification and Registration for Permits by Rule

III. FEE INFORMATION

To determine if a fee is required answer the following question. If "YES," to question III. A., a fee is not required, skip to Section IV. If "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee or go to www.2.tceq.state.tx.us/epay to pay online.

A. Is this registration an update to a previously registered facility and accompanied by a Certification Form solely to establish a federally enforceable emission limit? ☐ YES ☒ NO

B. What is the fee amount? If "YES," to any of the following three questions, a \$100 fee is required. Otherwise, a \$450 fee is required.

Does this business have less than 100 employees? ☐ YES ☒ NO

Does this business have less than 6 million dollars in annual gross receipts? ☐ YES ☒ NO

Is this registration submitted by a governmental entity with a population of less than 10,000? ☐ YES ☒ NO

C. Check/Money Order or Transaction Number (Payable to TCEQ): 61728 Was fee Paid online? ☐ YES ☒ NO

Company name of check: SAGE ENVIRONMENTAL CONSULTING, L.P. Fee amount: \$ 450.00

IV. SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATION

Note: If claiming one of the following PBRs, complete this section, then skip to Section VI., "Submitting your registration" below:

Animal Feeding Operations § 106.161

Livestock Auction Facilities § 106.162

Saw Mills § 106.223

Grain Handling, Storage and Drying § 106.283

Auto Body Refinishing Facilities § 106.436

Air Curtain Incinerator § 106.496

A. Is the applicable PBR checklist attached which shows the facility meets all general and specific requirements of the PBR(s) being claimed? (If submitting electronically, click "YES".) ☐ YES ☐ NO

B. Distance from this facility's emission release point to the nearest property line: feet

Distance from this facility's emission release point to the nearest off-property structure: feet

V. TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REGULATORY REQUIREMENTS

Registrants must be in compliance with all applicable state and federal regulations and standards to claim a PBR.

A. Is Confidential information submitted and properly marked "CONFIDENTIAL" with this registration? ☐ YES ☒ NO

B. Is a process flow diagram or a process description attached? ☒ YES ☐ NO

C. Are emissions data and calculations for this claim attached? ☒ YES ☐ NO

D. Is information attached showing how the general requirements (30 TAC § 106.4) of the PBR is met for this Registration? (PBR checklists may be used, but are optional) ☒ YES ☐ NO

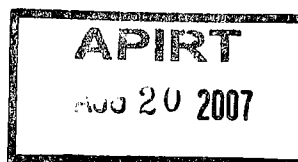
Note: Please be reminded that if the facilities listed in this registration are subject to the Mass Emissions Cap & Trade program under 30 TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities must possess NO_x allowances equivalent to the actual NO_x emissions from these facilities.

E. Is information attached showing how the specific PBR requirements are met for this registration? (PBR checklist may be used, but are optional) ☒ YES ☐ NO

F. Distance from this facility's emission release point to the nearest property line: > 100 feet

Distance from this facility's emission release point to the nearest off-property structure: > 100 feet

Note: In limited cases, a map or drawing of the site and surrounding land use may be requested during the technical review or at the request of the TCEQ Regional Office or local air pollution control program during an investigation.





Texas Commission on Environmental Quality
Form PI-7-CERT
Certification and Registration for Permits by Rule

VI. SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. **If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-3282.**

SIGNATURE: _____

Jan W. Kiggins
(ORIGINAL SIGNATURE REQUIRED)

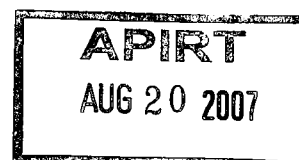
DATE: 8/17/07

VII. SUBMITTING COPIES OF THE CERTIFICATION AND REGISTRATION

Copies must be sent as listed below:

Processing delays may occur if copies are not sent as noted.

Who	Where	What
Air Permits Initial Review Team (APIRT)	Regular, Certified, Priority Mail MC161, P.O. Box 13087 Austin, Texas 78711-3087 Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 Fax No.: (512) 239-2123 (do not follow fax with paper copies)	Originals Form PI-7, Core Data Form. and all attachments
Revenue Section, TCEQ	Regular, Certified, Priority Mail MC 214, P.O. Box 13088 Austin, Texas 78711-3088 Hand Delivery, Overnight Mail MC 214, 12100 Park 35 Circle, Building A, Third Floor Austin, Texas 78753	Original Money Order or Check Copy of Form PI-7 and Core Data Form
Appropriate TCEQ Regional Office	To find your Regional Office address, go to the TCEQ Web site at www.tceq.state.tx.us , or call (512) 239-1250.	Copy of Form PI-7, Core Data Form, and all attachments.
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.tceq.state.tx.us/nav/permits/air_permits.html or call (512) 239-1250	Copy of Form PI-7, Core Data Form, and all attachments.



ATTACHMENT I

**Diamond Shamrock
Refining Company, L.P.,
a Valero Company**

**Permit by Rule Registration for
BTX Unit Ejector Condensate Receiver
Vent Gas to Flare
Under 30 TAC §106.261**

**Three Rivers Refinery
Live Oak County, Texas**

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Appendix C	PBR §106.261

SECTION 1 INTRODUCTION

Diamond Shamrock Refining Company, L.P., a Valero Company (Valero) submits this registration to authorize an additional vent gas stream to the existing No. 2 West Plant/DOT Flare (FL-006) under Title 30, Chapter 106 of the Texas Administrative Code (30 TAC 106) Section 106.261. The facility TCEQ account number is LK-0009-T.

This registration is submitted to address a small vent gas stream from the BTXs Unit recently discovered on June 2, 2007. The vent gas stream was not previously authorized under the facility's site-wide comprehensive NSR Flexible Permit 50607. Pursuant to Special Condition 1 of this permit, the TCEQ Region 14 (Corpus Christi) Office was notified of the discovery of this vent on June 8, 2007. Valero intends to incorporate this PBR into the Flexible Permit at the earliest opportunity.

1.1 Facility Information

The Valero Three Rivers Refinery is an integrated petroleum refinery. Crude oil is delivered to the refinery via pipeline, then processed and refined into various petrochemical products and commercial petroleum products such as gasoline, heating oil, and diesel fuel.

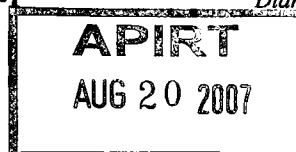
The Three Rivers Refinery is located at 301 Leroy Street in Three Rivers, Texas. Figure 1-1 is an area map showing the refinery location relative to nearby topographic features. This map is based on a United States Geological Survey (USGS) quadrangle map, and it indicates the plant boundary, nearest school, a 3,000-foot radius and 1-mile radius from the permitted facility. As indicated by the area map, there is one school located within 3,000 feet of the permitted facility.

1.2 Evaluation of Major New Source Review Applicability

As specified in 30 TAC 106.4(a)(2), a project cannot be authorized under a PBR if it is subject to either of the following two types of Major New Source Review (NSR) Requirements:

- **Non-attainment NSR:** The Three Rivers Refinery is located in Live Oak County, which is classified as attainment or unclassifiable for all criteria pollutants.

Therefore, projects at the Three Rivers Refinery are not subject to Non-attainment



NSR review.

- **Prevention of Significant Deterioration (PSD):** PSD review requirements may apply if project-related emissions increases of any criteria pollutants are higher than the associated PSD significance levels. As shown in the following table, each emission increase calculated is lower than the corresponding PSD significance level. Therefore, contemporaneous PSD netting is not required and the project is not subject to PSD review requirements.

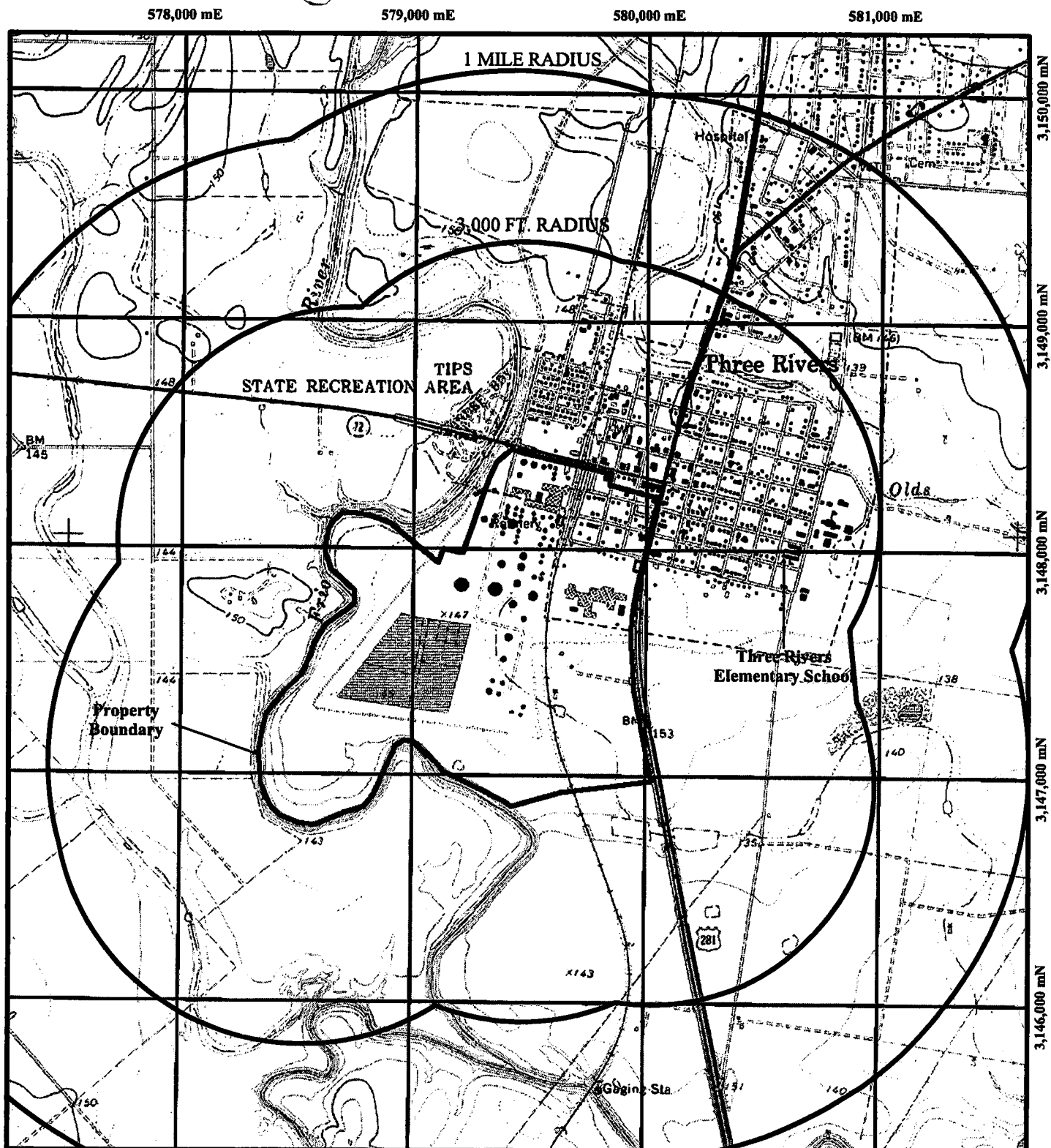
Table 1-1 / PSD Applicability Evaluation Summary				
Pollutant	Project-related Emission Increase (TPY)	PSD Significance Level (TPY)	Evaluation Conclusions	
			Is Netting Required?	Is PSD Review Required?
NOx	0.07	40	No	No
CO	0.36	100	No	No
Volatile Organic Compounds (VOC)	0.09	40	No	No

Calculations of the project-related emission increases are included in Appendix B.

1.3 Registration Overview

The following materials are included in the appendices of this registration to provide support for the authorization.

- Project description is included in Section 2.
- Process description is included in Section 3.
- Discussion of emission calculations is included in Section 4.
- Discussion of permit by rule applicability is included in Section 5.
- Form PI-7-CERT and PBR applicability checklists are included in Appendix A.
- Emission rate calculations are included in Appendix B.



SCALE 1:24,000

0 MILES 0.5 1.0 MILES

0 FEET 2500 5000 FEET
U.S.G.S. 7.5 MINUTE SERIES

PORT ARTHUR NORTH, TEXAS QUADRANGLE
WEST OF GREENS BAYOU, TEX.-LA. QUADRANGLE

NORTH



FIGURE 1-1 AREA MAP

DIAMOND SHAMROCK REFINING CO., L.P.,
A VALERO COMPANY
SITE LOCATION ON USGS MAP
301 LEROY, THREE RIVERS, TX 78071

SAGE
ENVIRONMENTAL CONSULTING

DATE: FEBRUARY 2003

PROJ. # A-25-02-28

FILE NAME: TRR Area Map2.dwg

AUG 20 2007

SECTION 2

PROJECT DESCRIPTION

This registration is submitted to address a small vent gas stream from the refinery's BTX Unit discovered on June 2, 2007. The vent gas stream is currently routed to the BTX Unit boiler. As part of this registration, Valero would like to authorize the rerouting of this stream to the refinery's No. 2 West Plant/DOT Flare (FL-006). The total flow rate from this vent to the flare is approximately 62 lb/hour and consists primarily of air and steam. There are some residual hydrocarbons in the stream and its content has been estimated as approximately 0.1 lb/hr. The VOC emissions from this vent are calculated to be 0.04 tons/year as fugitive emissions and 0.05 tons/year after control to the flare. Based on certain federal regulations, the control efficiency requirement for flare is greater than or equal to that for the boiler.

SECTION 3

PROCESS DESCRIPTION

This authorization request pertains to a vent stream from the BTX ejector condensate receiver drum (54-D106). The feed to this drum is comprised of the condensate from the vacuum jets or the BTX Unit solvent regenerator and excess water from the benzene column overhead receiver. The receiver bottoms are routed to the desalter.



SECTION 4

EMISSION CALCULATIONS

This section includes descriptions of the methods used to calculate emission rates associated with the BTX Unit vent gas stream to the flare.

4.1 Flare Emissions

The heat input mass flow rates to the flares are based on the total estimated flow rate of material to the flare and a minimum heat content of 200 MMBtu/scf. The flow rates of materials to the flare were estimated by using best engineering estimates.

Emissions of VOCs are calculated by assuming that the flares achieve 98% destruction of combustible compounds received by the flares. CO and NO_x emission rates are calculated using the highest (most conservative) emission factors in the TCEQ's Air Permit Technical Guidance for Flares and Vapor Oxidizers dated June 1998. These emission factors are multiplied by the long-term average and short-term maximum heat input rates. Particulate emissions are assumed to be zero because the flares are smokeless. This particular vent stream contains no sulfur compounds, therefore SO₂ emissions are zero.

4.2 Fugitive Emissions

The fugitive emission rates are based on the total count of fugitive components from the BTX Unit vent gas stream to the flare. The fugitive components are to operate in gas/vapor service. Reduction credit of 97% is applied towards emissions for monitoring the fugitive components under 28VHP. VOC emission rates are calculated using the emission factors in the TCEQ's Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives dated February 2001. These emission factors are multiplied by the corresponding fugitive component counts and 97% reduction credit is deducted from the resulting emissions. This particular vent stream contains no sulfur compounds, therefore H₂S emissions are zero.

SECTION 5 APPLICABILITY

Sources applying for permit by rule must meet general and specific requirements as outlined in 30 TAC 106 and the applicable sections therein. Checklists for each Permit by Rule are attached in Appendix A. These checklists document that each requirement for the Permit by Rule registration is met. The following checklists are included in Appendix A:

- 30 TAC §106.4 General Requirements of PBR's
- 30 TAC §106.261 Facilities (Emission Limitations)

The No. 2 West Plant/DOT Flare is subject to 40 CFR Part 60, Subpart A (NSPS A) and 40 CFR Part 63, Subpart A (MACT A). The fugitive components from the BTX Unit vent gas stream to the flare are subject to monitoring under 28VHP and 40 CFR 63, Subpart H (MACT H). Valero will continue to comply with these regulations as applicable.

The BTX Unit Ejector Condensate Receiver vent gas stream may be considered a fuel gas being combusted by a fuel gas combustion device, and is potentially subject to 40 CFR Part 60, Subpart J (NSPS J). Valero will comply with this regulation consistent with the existing Consent Decree (Civil Action No. SA 05-CA-0569), and in accordance with the schedule outlined in paragraphs 237-241 of the decree.

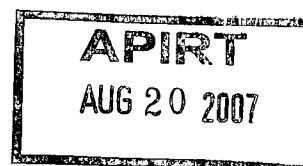
This vent is also potentially subject to 40 CFR Part 63, Subpart G (MACT G), however it does not meet the criteria in 40 CFR §63.107(b)-(h). More specifically, the vent gas stream does not originate as a continuous flow directly from an air oxidation reactor, distillation unit, or reactor during operation of the process unit. Therefore, the BTX Unit Ejector Condensate Receiver vent gas stream is not considered subject to MACT G.

APPENDIX A

TCEQ ADMINISTRATIVE FORMS AND TABLES

The following forms and tables are included in this appendix in the following order:

- Form PI-7
- 30 TAC §106.4 Permit by Rule Applicability Checklist
- 30 TAC §106.261 Permit By Rule Checklist





Texas Commission on Environmental Quality
Permit by Rule Applicability Checklist
Title 30 Texas Administrative Code § 106.4

The following checklist was developed by the Texas Commission on Environmental Quality (TCEQ), Air Permits Division, to assist applicants in determining whether or not a facility meets all of the applicable requirements. Before claiming a specific Permit by Rule (PBR), a facility must first meet all of the requirements of Title 30 Texas Administrative Code § 106.4 (30 TAC § 106.4), "Requirements for Permitting by Rule." Only then can the applicant proceed with addressing requirements of the specific Permit by Rule being claimed.

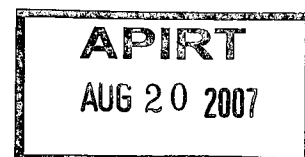
The use of this checklist is not mandatory; however, it is the responsibility of each applicant to show how a facility being claimed under a PBR meets the general requirements of 30 TAC § 106.4 and also the specific requirements of the PBR being claimed. If all PBR requirements cannot be met, a facility will not be allowed to operate under the PBR and an application for a construction permit may be required under 30 TAC § 116.110(a).

Registration of a facility under a PBR can be performed by completing Form PI-7 (Registration for Permits by Rule) or Form PI-7-CERT (Certification and Registration for Permits by Rule). The appropriate checklist should accompany the registration form. Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the question number. The PBR forms, tables, checklists and guidance documents are available from the TCEQ, Air Permits Division Web site at: www.tceq.state.tx.us/permitting/air/nav/air_pbr.html.

1. 30 TAC § 106.4(a)(1) & (4): Emission limits	
List emissions in tpy for each facility (add additional pages or table if needed):	
SO ₂ = <u>0.00</u> PM ₁₀ = <u>0.00</u> VOC = <u>0.09</u> NO _x = <u>0.07</u> CO = <u>0.36</u> Other <u>TOTAL</u> = <u>0.52</u>	
SO ₂ = _____ PM ₁₀ = _____ VOC = _____ NO _x = _____ CO = _____ Other _____ = _____	
SO ₂ = _____ PM ₁₀ = _____ VOC = _____ NO _x = _____ CO = _____ Other _____ = _____	
Total <u>0.00</u> <u>0.00</u> <u>0.09</u> <u>0.07</u> <u>0.36</u> <u>0.52</u>	
<ul style="list-style-type: none">• Are the SO₂, PM₁₀, VOC, or other air contaminant emissions claimed for each facility in this PBR submittal less than 25 tpy? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO• Are the NO_x and CO emissions claimed for each facility in this PBR submittal less than 250 tpy? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <p><i>If the answer to both is "Yes," continue to the question below. If the answer to either question is "No," a PBR cannot be claimed.</i></p>	
Has any facility at the property had public notice and opportunity for comment under 30 TAC Section 116 for a regular permit or permit renewal? (This does not include public notice for voluntary emission reduction permits, grandfathered existing facility permits, or federal operating permits.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
<p><i>If "Yes," skip to Section 2. If "No," continue to the questions below.</i></p> <p>If the site has had no public notice, please answer the following:</p> <ul style="list-style-type: none">• Are the SO₂, PM₁₀, VOC, or other emissions claimed for all facilities in this PBR submittal less than 25 tpy? <input type="checkbox"/> YES <input type="checkbox"/> NO• Are the NO_x and CO emissions claimed for all facilities in this PBR submittal less than 250 tpy? <input type="checkbox"/> YES <input type="checkbox"/> NO <p><i>If the answer to both questions is "Yes," continue to Section 2.</i> <i>If the answer to either question is "No," a PBR cannot be claimed. A permit will be required under Chapter 116.</i></p>	
2. 30 TAC § 106.4(a)(2): Nonattainment check	
Are the facilities to be claimed under this PBR located in a designated ozone nonattainment county? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<p><i>If "Yes," please indicate which county by checking the appropriate box to the right.</i></p> <p>(Marginal) - Hardin, Jefferson, and Orange counties (<i>BPA</i>) <input type="checkbox"/> BPA</p> <p>(Moderate) - Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller counties (<i>HGA</i>) <input type="checkbox"/> HGA</p> <p>(Moderate) - Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant counties (<i>DFW</i>) <input type="checkbox"/> DFW</p> <p><i>If "Yes," to any of the above, continue to the next question. If "No," continue to Section 3.</i></p>	

Permit by Rule General Applicability Checklist 30 TAC § 106.4

<p>Does this project trigger a nonattainment review? To determine the answer, review the information below:</p> <ul style="list-style-type: none"> ● Is the project's potential to emit (PTE) for emissions of VOC or NO_x increasing by 100 tpy or more? <i>PTE is the maximum capacity of a stationary source to emit any air pollutant under its worst-case physical and operational design unless limited by a permit, rule, or made federally enforceable by a certification.</i> ● Is the site an existing major nonattainment site and are the emissions of VOC or NO_x increasing by 40 tpy or more? <p>If needed, attach contemporaneous netting calculations per nonattainment guidance. Additional information can be found at: www.tceq.state.tx.us/permitting/air/forms/newsource/tables/nsr_table8.html and www.tceq.state.tx.us/permitting/air/nav/air_docs_newsource.html</p> <p><i>If "Yes," to any of the above, the project is a major source or a major modification and a PBR may not be used. A Nonattainment Permit review must be completed to authorize this project. If "No," continue to Section 3.</i></p>	<p><input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>3. 30 TAC § 106.4(a)(3): Prevention of Significant Deterioration (PSD) check</p>	
<p>Does this project trigger a review under PSD rules? To determine the answer, review the information below:</p> <ul style="list-style-type: none"> ● Are emissions of any regulated criteria pollutant increasing by 100 tpy of any criteria pollutant at a named source? ● Are emissions of any criteria pollutant increasing by 250 tpy of any criteria pollutant at an unnamed source? ● Are emissions increasing above significance levels at an existing major site? <p>PSD information can be found at: www.tceq.state.tx.us/permitting/air/forms/newsource/tables/nsr_table9.html and www.tceq.state.tx.us/permitting/air/nav/air_docs_newsource.html</p> <p><i>If "Yes," to any of the above, a PBR may not be used. A PSD Permit review must be completed to authorize the project. If "No," continue to Section 4.</i></p>	<p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>
<p>4. 30 TAC § 106.4(a)(6): Federal Requirements</p>	
<ul style="list-style-type: none"> ● Will all facilities under this PBR meet applicable requirements of Title 40 Code of Federal Regulations (40 CFR) Part 60, New Source Performance Standards (NSPS)? If "Yes," which Subparts are applicable?: <u>40 CFR Part 60, Subparts A and J</u> ● Will all facilities under this PBR meet applicable requirements of 40 CFR Part 63, Hazardous Air Pollutants Maximum Achievable Control Technology (MACT) standards? If "Yes," which Subparts are applicable?: <u>40 CFR Part 63, Subparts A and H</u> ● Will all facilities under this PBR meet applicable requirements of 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAPs)? If "Yes," which Subparts are applicable?: <u></u> <p><i>If "Yes" to any of the above, please attach a discussion of how the facilities will meet any applicable standards.</i></p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><input type="checkbox"/> N/A</p> <p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><input type="checkbox"/> N/A</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><input checked="" type="checkbox"/> N/A</p>
<p>5. 30 TAC § 106.4(a)(7): PBR prohibition check</p>	
<p>Are there any air permits at the site containing conditions which prohibit or restrict the use of PBRs?</p> <p><i>If "Yes," PBRs may not be used or their use must meet the restrictions of the permit. A new permit or permit amendment may be required. List permit number(s):</i> _____</p> <p><i>If "No," continue to Section 6.</i></p>	<p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>



6. 30 TAC § 106.4(a)(8): NO_x Cap and Trade															
<ul style="list-style-type: none"> ● Is the facility located in Harris, Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County? <i>If "Yes," answer the question below. If "No," continue to Section 7.</i> ● Will the proposed facility or group of facilities obtain required allowances for NO_x if they are subject to 30 TAC Chapter 101, Subchapter H, Division 3 (relating to the Mass Emissions Cap and Trade Program)? 	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO														
7. Highly Reactive Volatile Organic Compounds (HRVOC) check															
<ul style="list-style-type: none"> ● Is the facility located in Harris County? <i>If "Yes," answer the next question. If "No," skip to the box below.</i> ● Will the project be constructed after June 1, 2006? <i>If "Yes," answer the next question. If "No," skip to the box below.</i> ● Will one or more of the following HRVOC be emitted as a part of this project? <p><i>If "Yes," complete the information below:</i></p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left; padding-right: 20px;"><u>lb/hr</u></th> <th style="text-align: left;"><u>tpy</u></th> </tr> </thead> <tbody> <tr><td>▶ 1,3-butadiene</td><td>_____</td></tr> <tr><td>▶ all isomers of butene (e.g., isobutene [2-methylpropene or isobutylene])</td><td>_____</td></tr> <tr><td>▶ alpha-butylene (ethylethylene)</td><td>_____</td></tr> <tr><td>▶ beta-butylene (dimethylethylene, including both cis- and trans-isomers)</td><td>_____</td></tr> <tr><td>▶ ethylene</td><td>_____</td></tr> <tr><td>▶ propylene</td><td>_____</td></tr> </tbody> </table>	<u>lb/hr</u>	<u>tpy</u>	▶ 1,3-butadiene	_____	▶ all isomers of butene (e.g., isobutene [2-methylpropene or isobutylene])	_____	▶ alpha-butylene (ethylethylene)	_____	▶ beta-butylene (dimethylethylene, including both cis- and trans-isomers)	_____	▶ ethylene	_____	▶ propylene	_____	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO
<u>lb/hr</u>	<u>tpy</u>														
▶ 1,3-butadiene	_____														
▶ all isomers of butene (e.g., isobutene [2-methylpropene or isobutylene])	_____														
▶ alpha-butylene (ethylethylene)	_____														
▶ beta-butylene (dimethylethylene, including both cis- and trans-isomers)	_____														
▶ ethylene	_____														
▶ propylene	_____														
<ul style="list-style-type: none"> ● Is the facility located in Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County? <i>If "Yes," answer the next question. If "No," the checklist is complete.</i> ● Will the project be constructed after June 1, 2006? <i>If "Yes," answer the next question. If "No," the checklist is complete.</i> ● Will one or more of the following HRVOC be emitted as a part of this project? <p><i>If "Yes," complete the information below:</i></p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left; padding-right: 20px;"><u>lb/hr</u></th> <th style="text-align: left;"><u>tpy</u></th> </tr> </thead> <tbody> <tr><td>▶ ethylene</td><td>_____</td></tr> <tr><td>▶ propylene</td><td>_____</td></tr> </tbody> </table>	<u>lb/hr</u>	<u>tpy</u>	▶ ethylene	_____	▶ propylene	_____	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO								
<u>lb/hr</u>	<u>tpy</u>														
▶ ethylene	_____														
▶ propylene	_____														

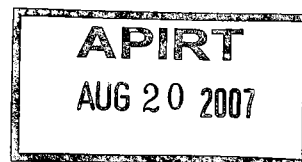
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Title 30 Texas Administrative Code § 106.261
Permit By Rule (PBR) Checklist
Facilities (Emission Limitations)

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.261 (30 TAC § 106.261) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air_permits.html.

CHECK THE MOST APPROPRIATE ANSWER			
Is a description or checklist of how this claim meets the general requirements for the use of PBRs in 30 TAC § 106.4 attached?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
b1 Is this claim for construction of a facility authorized in another section of this chapter or for which a standard permit is in effect? <i>If "YES," this PBR cannot be used to authorize emissions from the project</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
b2 Is this claim for any change to any facility authorized under another section of this chapter or authorized under a standard permit? <i>If "YES," this PBR cannot be used to authorize emissions from the project</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
a1 Are facilities or changes located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
a2 Are total new or increased emissions, including fugitives, less than or equal to 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials (check all that apply):			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<input type="checkbox"/> acetylene <input type="checkbox"/> argon <input type="checkbox"/> butane <input type="checkbox"/> crude oil <input checked="" type="checkbox"/> carbon monoxide <input type="checkbox"/> cyclohexane <input type="checkbox"/> cyclohexene <input type="checkbox"/> cyclopentan <input type="checkbox"/> ethyl acetate <input type="checkbox"/> ethanol <input type="checkbox"/> ethyl ether <input type="checkbox"/> ethylene	<input type="checkbox"/> helium <input type="checkbox"/> isohexane <input type="checkbox"/> isopropyl alcohol <input type="checkbox"/> methyl acetylene <input type="checkbox"/> methyl chloroform <input type="checkbox"/> methyl cyclohexane <input type="checkbox"/> neon <input type="checkbox"/> nonan <input checked="" type="checkbox"/> oxides of nitrogen <input type="checkbox"/> propane <input type="checkbox"/> propyl alcohol <input type="checkbox"/> propylene	<input type="checkbox"/> propyl ether <input type="checkbox"/> sulfur dioxide <input type="checkbox"/> alumina <input type="checkbox"/> calcium carbonate <input type="checkbox"/> calcium silicate <input type="checkbox"/> cellulose fiber <input type="checkbox"/> cement dust <input type="checkbox"/> emery dust <input type="checkbox"/> glycerin mist <input type="checkbox"/> gypsum <input type="checkbox"/> iron oxide dust <input type="checkbox"/> kaolin	<input type="checkbox"/> limestone <input type="checkbox"/> magnesite <input type="checkbox"/> marble <input type="checkbox"/> pentaerythritol <input type="checkbox"/> plaster of paris <input type="checkbox"/> silicon <input type="checkbox"/> silicon carbide <input type="checkbox"/> starch <input type="checkbox"/> sucrose <input type="checkbox"/> zinc stearate <input type="checkbox"/> zinc oxide
<input checked="" type="checkbox"/> refinery petroleum fractions (except for pyrolysis naphthas and pyrolysis gasoline) containing less than ten volume percent benzene <input type="checkbox"/> fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116			
a3 Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m ³) as listed and referenced in Table 262 of 30 TAC § 106.262 of this title (relating to Facilities (Emission and Distance Limitations)? List chemical: _____ L value: _____			<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical not listed or referenced in Table 262? List chemical: _____			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
Are total new or increased emissions, including fugitives, of a chemical with a limit value of less than 200 mg/m ³ ? <i>If "Yes" the authorization of the chemical is not allowed under this section. We suggest you use 30 TAC §106.262 to authorize the emissions, if applicable.</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A



a4 Are there any changes to or additions of any existing air pollution abatement equipment?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
a5 Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
a6 Are emission increases five tons per year or greater? If "YES," this checklist must be attached to a Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
a7 Are emission increases less than five tons per year? If "YES," this checklist must be attached to a Form PI-7 and include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any. (pick one): <input checked="" type="checkbox"/> Within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or <input type="checkbox"/> By March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

PRINT

APPENDIX B

EMISSION CALCULATIONS

The following emission calculation tables are included in this appendix in the following order:

- Table B-1: Summary of Proposed Flare and Fugitive Emission Rates
- Table B-2: No. 2 West Plant/DOT Flare (FL-006) Emission Rates
- Table B-3: West Plant Flare System Fugitives (F-660) Emission Rates

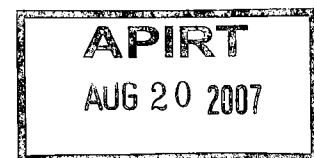


Table B.1
Valero Three Rivers Refinery - PBR 106.261

Summary of Proposed Flare Emission Rates
from Control of BTX Unit Vent Gas Stream

Compound	No. 2 West Plant/DOT Flare EPN: FL-006	
	(lb/hr)	(TPY)
VOC	0.01	0.05
H2S	0.00	0.00
NO _x	0.04	0.07
CO	0.17	0.36
SO2	0.00	0.00

Summary of Proposed Fugitive Emission Rates
from BTX Unit Vent Gas Stream

Compound	West Plant Flare System Fugitives EPN: F-660(West Plant Flare System)	
	(lb/hr)	(TPY)
VOC	0.01	0.04
H2S	0.00	0.00
NO _x	NA	NA
CO	NA	NA
SO2	NA	NA

Table B.2
Valero Three Rivers Refinery - PBR 106.261
No. 2 West Plant/DOT Flare (FL-006) Emission Rates

Compound	Molar Fraction ^A	Molar Weight	Weight Fraction ^B	DRE ^C (%)	Calculated Emission Rates ^E		
					Maximum (lb/hr)	Average (lb/hr)	Average (TPY)
Total Feed ^D					124.00	62.00	
H ₂ S (avg)	0.0000	34.08	0.00	98	-	0.00	0.00
H ₂ S (max)	0.0000	34.08	0.00	98	0.00	-	-
Organic Compounds	0.0003	110.00	0.002	98	0.01	0.01	0.05
Air	0.2288	28.97	0.32	0	-	-	-
Water (Steam)	0.7709	18.02	0.68	0	-	-	-
Totals/Avg.	1.00	Avg = 20.55	1.00				
Emission Rates of Combustion Products							
				NO _x ^H	0.04	0.02	0.07
Max. Short-Term Heat Input ^F = 0.47 MMBtu/hr				CO ^I	0.17	0.08	0.36
Avg. Long-Term Heat Input ^G = 0.23 MMBtu/hr				SO ₂ ^J	0.00	0.00	0.00

Notes: A. Molar Fraction calculated from weight percent. Weight percents based on best engineering estimates.

B. Weight Fraction = Molar Fraction * Molar Weight / Average Molar Weight

C. DRE (Destruction Removal Efficiency) values are from TNRCC's Technical Guidance for Flares and Vapor Oxidizers.

D. Total Feed values are based on best engineering estimates.

E. Calculated Emission Rates = Weight Fraction/100% * Total Feed * (100% - DRE)/100%
Average Emissions (TPY) = Average Emissions (lb/hr) * 8760 hr/yr / 2000 lb/ton

F. Max. Hourly Heat Input is based on the total feed rate of the stream and a minimum heat content of 200 Btu/scf.
Assist gas may be required to meet this minimum heat content of the gas stream. Otherwise, this stream will be combined with other waste gas streams with sufficiently high heat value at the fuel gas header.
Minimum Heat Content * [Molar Flow Rate * Gas Molar Volume] / 10 ⁶
Gas Molar Volume @ 68 ° = 385.4 scf/lbmol

G. Avg. Hourly Heat Input is based on the maximum hourly heat input for the case of estimating worst case emissions.

H. NO_x emission rate (lb/hr) = Heat Input * 0.068 lb/MMBtu ^K
NO_x emission rate (TPY) = Avg. Emission Rate (lb/hr) * 8760 hr/yr / 2000 lb/ton

I. CO emission rate (lb/hr) = Heat Input * 0.3503 lb/MMBtu ^K
CO emission rate (TPY) = Avg. Emission Rate (lb/hr) * 8760 hr/yr / 2000 lb/ton

J. SO₂ emission rate (lb/hr) = Total Feed * H₂S Weight Fraction/100% * DRE/100% * 64/32
SO₂ emission rate (TPY) = Avg. Emission Rate (lb/hr) * 8760 hr/yr / 2000 lb/ton

K. NO_x and CO emission factors are the most conservative factors in TCEQ's Guidance for Flares and Vapor Oxidizers.

Table B.3
Valero Three Rivers Refinery - PBR 106.261
West Plant Flare System Fugitives (F-660) Emission Rates

Equipment	Service	Component Count	Emission Factor ¹ lb/hr/source	Reduction Credit ² %	VOC Emissions	
					lb/hr	tons/yr
Valves	Gas/Vapor	4	0.059	97	0.007	0.031
	Light Liquid	0	0.024	97	0.000	0.000
	Heavy liquid	0	0.00051	30	0.000	0.000
Pump Seals	Light Liquid	0	0.2510	85	0.000	0.000
	Heavy liquid	0	0.046	30	0.000	0.000
Flanges	Gas/Vapor	7	0.00055	30	0.003	0.012
	Light Liquid	0	0.00055	30	0.000	0.000
	Heavy liquid	0	0.00055	30	0.000	0.000
Compressor Seals	Gas/Vapor	0	1.399	85	0.000	0.000
Relief Valves	Gas/Vapor	0	0.35	97	0.000	0.000
Open Ended Lines	All	0	0.0051	97	0.000	0.000
Sampling Connections	All	0	0.033	97	0.000	0.000
Total VOCs					0.010	0.043

Notes

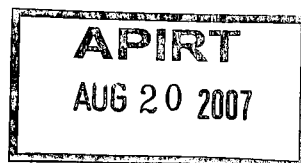
1. Emission factors from TCEQ Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives (February 2001)
Emission factors used in the calculations are Refinery Average Emission Factors.
2. 28VHP fugitive monitoring program.

Sample Calculation: Hourly VOC from Valves in Gas Service

4 sources	0.059 lb	(1-97/100)	= 0.007 lb/hr
	hr source		

Sample Calculation: Annual VOC from Valves in Gas Service

0.007 lb	8760 hr	tons	= 0.031 tons/yr
hr	yr	2000 lb	



APPENDIX C
PBR §106.261

Texas Administrative Code

TITLE 30

ENVIRONMENTAL QUALITY

PART 1

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CHAPTER 106

PERMITS BY RULE

SUBCHAPTER K

GENERAL

RULE §106.261

Facilities (Emission Limitations)

(a) Except as specified under subsection (b) of this section, facilities, or physical or operational changes to a facility, are permitted by rule provided that all of the following conditions of this section are satisfied.

(1) The facilities or changes shall be located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.

(2) Total new or increased emissions, including fugitives, shall not exceed 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials: acetylene, argon, butane, crude oil, refinery petroleum fractions (except for pyrolysis naphthas and pyrolysis gasoline) containing less than ten volume percent benzene, carbon monoxide, cyclohexane, cyclohexene, cyclopentane, ethyl acetate, ethanol, ethyl ether, ethylene, fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116, helium, isohexane, isopropyl alcohol, methyl acetylene, methyl chloroform, methyl cyclohexane, neon, nonane, oxides of nitrogen, propane, propyl alcohol, propylene, propyl ether, sulfur dioxide, alumina, calcium carbonate, calcium silicate, cellulose fiber, cement dust, emery dust, glycerin mist, gypsum, iron oxide dust, kaolin, limestone, magnesite, marble, pentaerythritol, plaster of paris, silicon, silicon carbide, starch, sucrose, zinc stearate, or zinc oxide.

(3) Total new or increased emissions, including fugitives, shall not exceed 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m^3) as listed and referenced in Table 262 of §106.262 of this title (relating to Facilities (Emission and Distance Limitations)) or of any other chemical not listed or referenced in Table 262. Emissions of a chemical with a limit value of less than 200 mg/m^3 are not allowed under this section.

(4) For physical changes or modifications to existing facilities, there shall be no changes to or additions of any air pollution abatement equipment.

(5) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any six-minute period.

(6) For emission increases of five tons per year or greater, notification must be provided using Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project,

calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.

(7) For emission increases of less than five tons per year, notification must be provided using either:

(A) Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or

(B) Form PI-7 by March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. This annual notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.

(b) The following are not authorized under this section:

(1) construction of a facility authorized in another section of this chapter or for which a standard permit is in effect; and

(2) any change to any facility authorized under another section of this chapter or authorized under a standard permit.

ATTACHMENT II

Kathleen Hartnett White, *Chairman*
Larry R. Soward, *Commissioner*
H. S. Buddy Garcia, *Commissioner*
Glenn Shankle, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Protecting Texas by Reducing and Preventing Pollution

August 2, 2007

MR JON KIGGANS
HS&E DIRECTOR
DIAMOND SHAMROCK REFINING COMPANY LP
PO BOX 490
THREE RIVERS TX 78071-0490

Re: Permit by Rule Registration Number: 82209
BTX Unit Vent Gas Stream
Three Rivers, Live Oak County
Regulated Entity Number: RN100542802
Customer Reference Number: CN600124861
Account Number: LK-0009-T

Dear Mr. Kiggans:

This is in response to your request to register the emissions associated with re-routing a BTX Unit vent gas stream from the BTX Unit boiler firebox (a control device) to the No. 2 West Plant/DOT Flare (Emission Point Number FL-006) under Permit by Rule (PBR) Title 30 Texas Administrative Code (30 TAC) § 106.261 located at 301 Leroy Street, Three Rivers, Live Oak County.

After evaluation of the information you provided, we are unable to verify that all conditions of the PBR have been met. Therefore, we cannot confirm your claim at this time. The following information was found to be deficient in your request:

- Re-routing the BTX Unit vent gas stream to existing Flare FL-006 is considered addition of air pollution abatement equipment and is prohibited under 30 TAC § 106.261(a)(4) unless you can certify that the flare is an equally efficient or more efficient control device in comparison to the boiler firebox.
- Please submit a Form PI-7-CERT to certify that Flare FL-006 will achieve the control efficiency represented in the registration and to certify that the overall operation of Flare FL-006 will still be in compliance with all applicable state and federal rules.
- Please submit fugitive emission calculations and demonstrate that fugitive emissions meet the requirements of PBR 30 TAC § 106.261.

Within six months from the date of this letter you may resubmit, with appropriate corrections, a revised PBR registration without any additional fee. The re-submittal should include:

- an updated Form PI-7 (Registration for Permits by Rule)

Mr. Jon Kiggans

Page 2

August 2, 2007

Re: Permit by Rule Registration Number 82209

- the additional information, and
- a cover letter noting the package is in response to a deficiency notice and including permit number 82209.

To expedite the process, any re-submittal should be sent directly to the Texas Commission on Environmental Quality (TCEQ), Air Permits Initial Review Team (MC-161), P.O. Box 13087, Austin, Texas 78711-3087. After the six-month period referred to above has lapsed, an additional fee will be required to reactivate this project.

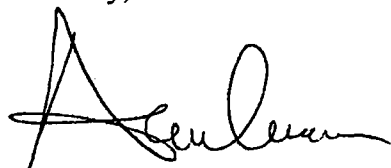
If, within six months from the date of this letter, you find that you cannot meet the conditions of the PBR, you may apply for a permit or amendment using the Form PI-1 (General Application for Air Preconstruction Permits and Amendments) to the same address and apply the fee for this request to that application by referring to Receipt Number R750322.

You are reminded that the Texas Health and Safety Code §§ 382.0518(a) and 382.057 require that a permit be obtained, or permit by rule, be fully complied with before work is begun on the construction of a new facility, or modification of an existing facility, that may emit air contaminants. Since we cannot confirm your claim, construction should not be started on the proposed project.

Your cooperation in this matter is appreciated. If you have any questions concerning this permit by rule, please contact Mr. Jonathan Wilmoth, P.E. at (512) 239-0567 or write to the Texas Commission on Environmental Quality, Office of Permitting, Remediation, and Registration, Air Permits Division (MC-163), P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,



Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division
Texas Commission on Environmental Quality

cc: Air Section Manager, Region 14 - Corpus Christi

Project Number: 130238

TECHNICAL REVIEW: AIR PERMIT BY RULE

Permit No.:	82209	Company Name:	Diamond Shamrock Refining Company, L.P.	APD Reviewer:	Mr. Jonathan Wilmoth, P.E.
Project No.:	130238	Unit Name:	BTX Unit Vent Gas Stream	PBR No(s).:	106.261

GENERAL INFORMATION					
Regulated Entity No.:	RN100542802	Project Type:	Permit by Rule Application		
Customer Reference No.:	CN600124861	Date Received by TCEQ:	June 18, 2007		
Account No.:	LK-0009-T	Date Received by Reviewer:	June 25, 2007		
City/County:	Three Rivers, Live Oak County	Physical Location:	301 Leroy Street		

CONTACT INFORMATION					
Responsible Official/ Primary Contact Name and Title:	Mr. Jon Kiggans HS&E Director	Phone No.:	(361) 786-8286	Email:	none
		Fax No.:	(361) 786-2833		
Technical Contact/ Consultant Name and Title:	Mr. Vaishali Shah Environmental Engineer	Phone No.:	(361) 786-8268	Email:	vaishali.shah@valero.com
		Fax No.:	(361) 786-2833		

GENERAL RULES CHECK	YES	NO	COMMENTS
Is confidential information included in the application?		X	
Are there affected NSR or Title V permits for the project?	X		NSR Permit 50607, O1450
Is each PBR > 25/250 tpy?		X	
Are PBR sitewide emissions > 25/250 tpy?	NA	NA	The company represents that a regular NSR permit for the site has been to public notice.
Are there permit limits on using PBRs at the site?		X	
Is PSD or Nonattainment netting required?		X	
Do NSPS, NESHAP, or MACT standards apply to this registration?	X		NSPS A and J, MACT A
Does NOx Cap and Trade apply to this registration?		X	
Is the facility in compliance with all other applicable rules and regulations?		X	This project was closed with a deficiency letter. See below for details.

DESCRIBE OVERALL PROCESS AT THE SITE
The Diamond Shamrock Refining Valero site is a refinery.

DESCRIBE PROJECT AND INVOLVED PROCESS
The company has submitted a registration for PBR 106.261 to reroute a small vent gas stream from the BTX Unit Ejector Condensate Receiver to the No. 2 West Plant/DOT Flare. The company represents that the vent gas stream was recently discovered and was not previously authorized under site-wide Permit 50607. The company references Special Condition 1 (addressed below) in Permit 50607. The company represents that the vent gas stream "was previously" routed to the BTX Unit boiler. The company has submitted this registration to make changes due to safety reasons.

TECHNICAL SUMMARY - DESCRIBE HOW THE PROJECT MEETS THE RULES
<p>This project was closed with a deficiency letter. The deficiency letter addresses the following deficiencies:</p> <ul style="list-style-type: none"> Need to certify that the flare is equally efficient or more efficient than the boiler as a control device. Else, the next step is a permit amendment. Need a PI-7-CERT to certify that flare operations will not be degraded under this project. Provide fugitive emission calculations and demonstrate that fugitive emissions meet PBR 106.261 requirements. <p>The company has submitted a PI-7 with supporting information. Special Condition 1 of Permit 50607 requires that a permit amendment be submitted within 60 days of discovery.</p> <p>The company represents that the vent gas stream in this project contains no sulfur compounds. The company represents that the flare EPN FL-006 is subject to NSPS A and MACT A and that the company will continue to comply with NSPS A and MACT A for flare EPN-006, as applicable.</p> <p>The company does not represent any MSS emissions or MSS changes under this project.</p> <p>Highlighted 106.261 Requirements as Represented by the Company</p> <ul style="list-style-type: none"> The company represents that the distance to the nearest off-plant receptor is >100 feet. Other permits by rule and standard permits do not apply to these facilities. Total new or increased emissions, including fugitives, are less than or equal to 6.0 lb/hr and 10 tpy, each, for refinery petroleum fractions not including fugitives, carbon monoxide, and nitrogen oxides. The company still needs to address fugitive emissions of refinery petroleum fractions. The threshold limit value is greater than 200 mg/m³ or the chemical is not listed or referenced in 106.262 is not applicable to this registration. The company represents there will be no changes to or additions of any air pollution abatement equipment. However, the TCEQ position is that the flare is an addition of air pollution abatement equipment under 106.261 unless the company can certify that the flare is at least an equivalent control device when compared to the boiler, so this registration could not be approved as represented. Visible emissions, except uncombined water, will not exceed 5% opacity in any six-minute period.

TECHNICAL REVIEW: AIR PERMIT BY RULE

Permit No.:	82209	Company Name:	Diamond Shamrock Refining Company, L.P.	APD Reviewer:	Mr. Jonathan Wilmoth, P.E.
Project No.:	130238	Unit Name:	BTX Unit Vent Gas Stream	PBR No(s).:	106.261

COMMUNICATION LOG				
Date	Time	Name/Company	Subject of Communication	
07/05/2007	3:45 PM	Ms. Araceli Escamilla / TCEQ, NSR Permits	Reviewer left message. Ms. Escamilla called a few minutes after reviewer left message - please call Mr. Patricio Greigo / TCEQ, acting Team Leader.	
07/05/2007	3:55 PM	Mr. Patricio Greigo / TCEQ, acting Team Leader, also in NSR Permits	Reviewer left message. Mr. Greigo returned phone call and left message - Mr. Greigo indicated Special Condition 1 in Permit 50607 was not meant to be a restriction on using PBRs; he had no problem with the company using PBRs for authorization.	
07/24/2007	about 4:30 PM	Mr. Joe Ibanez / Sage Environmental Consulting	Reviewer left message - as currently represented, this project does not meet 106.261 requirements. Please return call.	
07/25/2007	3:00 PM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P.	Reviewer left a detailed message about additional needed information. Please return call. The reviewer indicated that a response is needed by the end of the day on Monday, July 30, 2007, or this project will be closed with a deficiency letter.	
07/26/2007	about 3:40 PM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P.	<p>Ms. Shah called - much discussion.</p> <p>Reviewer indicated no physical or operational changes to facilities represented in this registration, so this registration does not meet PBR 106.261 requirements. She indicated this is an operational change due to safety reasons. She indicated that there has been a safety incident due to this waste steam. After the safety incident, the company decided to re-route this waste stream to the flare.</p> <p>The reviewer indicated that under PBR 106.261, the flare is an addition of a new control device; The reviewer indicated this is not allowed as per 106.261(a)(4). After discussing 106.261 issues, she will check to see if the company wants to withdraw the registration. She also indicated that the company believes there was still a specific reason that this particular project could be approved under PBR. The reviewer indicated this specific reason would need to be discussed with reviewer's Team Leader. Reviewer provided Team Leader's phone number. (See communication log dated 08/01/07).</p> <p>Also, need fugitive emissions, if any. She checked her file, and then she indicated fugitive emission calculations would be submitted if other issues resolved.</p> <p>Also, need a PI-7-CERT to certify control efficiency of flare will not be degraded. She indicated a PI-7-CERT would be submitted if other issues are resolved.</p> <p>She indicated she would call the reviewer before the end of the day with a withdraw decision.</p>	
07/26/2007	6:25 PM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P.	Ms. Shah left a message. She said the company is still evaluating options, and she said the company is waiting to hear back from consultant. She said the company is considering using PBR 106.492 for the flare.	
07/27/2007	8:30 AM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P.	Reviewer left two brief messages. Reviewer indicated cannot pull a flare out of an NSR permit and authorize the flare under PBR unless the NSR permit can be voided in tandem or the flare is completely unrelated to the other facilities in the NSR permit (partial permitting). The reviewer indicated a TCEQ memo dated December 09, 2005 is posted on the TCEQ website, and the reviewer read some of the language in the memo.	
07/27/2007	4:10 PM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P.	Ms. Shah left a message - please return call to discuss how this project can be approved under PBR. Also, she requested an e-mail with the link to the 12/09/2005 TCEQ memo.	
07/27/2007	4:32 PM	Mr. Joe Ibanez / Sage Environmental Consulting	Mr. Ibanez left a message - received message about this project, please return call to discuss.	
07/30/2007	7:38 AM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P.	Reviewer e-mailed web link for 12/09/2005 memo to Ms. Shaw.	
07/30/2007	7:50 AM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P.	Reviewer left a message. Reviewer indicated that he does not see a way to authorize this project under PBR; the next step the reviewer sees is a permit amendment.	
07/30/2007	7:55 AM	Mr. Joe Ibanez / Sage Environmental Consulting	Reviewer left a message. Reviewer indicated that he does not see a way to authorize this project under PBR; the next step the reviewer sees is a permit amendment. Please let reviewer know if you think that there is a specific reason this project should be approvable under PBR.	




TECHNICAL REVIEW: AIR PERMIT BY RULE

Permit No.:	82209	Company Name:	Diamond Shamrock Refining Company, L.P.	APD Reviewer:	Mr. Jonathan Wilmoth, P.E.
Project No.:	130238	Unit Name:	BTX Unit Vent Gas Stream	PBR No(s).:	106.261

07/30/2007	about 10:30 AM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P. and Mr. Joe Ibanez / Sage Environmental Consulting	Ms. Shah and Mr. Ibanez called - conference call, much discussion. Mr. Ibanez indicated that Mr. Jim Myers / Sage Environmental Consulting worked for the TCEQ for 15 to 20 years and left the TCEQ about 10 years ago. Mr. Myers indicated to Mr. Ibanez that the intent of 106.261(a)(4) is to not allow circumvention or debottlenecking under PBR. Mr. Ibanez indicated that this registration project should be acceptable under 106.261(a)(4) because there is no debottlenecking or circumvention. The reviewer indicated that this registration project needs to meet all the requirements of PBRs; the TCEQ believes that the flare is new air pollution abatement equipment under PBR and is not approvable as per 106.261(a)(4). Mr. Ibanez indicated he will check with the GSR Section Manager. The reviewer indicated that Mr. Clyde Price, TCEQ is the acting Team Leader today and that Mr. Price would be the best person to talk to first. The reviewer provided the contact information Mr. Ibanez needed.
08/01/2007	10:15 AM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P.	(during final review) The reviewer left a message. The reviewer indicated that if the flare is more efficient (or the same efficiency) than the boiler for controlling the waste gas stream, this is approvable under PBR. The reviewer indicated that if the flare is less efficient than the boiler, this could not be approved under PBR. Please return call.
08/01/2007	12:30 PM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P.	Reviewer left a message. This project will be closed with a deficiency letter. Any questions, contact the reviewer.
08/01/2007	1:30 PM	Ms. Vaishali Shah / Diamond Shamrock Refining Company, L.P.	Ms. Shah called. The reviewer and Ms. Shah re-discussed the deficiencies. She indicated that she will have to check with Engineering to see if the boiler is more or less efficient than the flare.

ESTIMATED EMISSIONS													
EPN / Emission Source	Specific VOC or Other Pollutants	VOC		NOx		CO		PM ₁₀		SO ₂		Other	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
		No emissions authorized under this registration project											
TOTAL EMISSIONS (TPY):													
MAXIMUM OPERATING SCHEDULE:		Hours/Day		Days/Week		Weeks/Year				Hours/Year		8760	

SITE REVIEW / DISTANCE LIMIT	Yes	No	Description/Outcome	Date	Reviewed by
Site Review Required?		X		07/24/2007	Mr. Jonathan Wilmoth, P.E.
PBR Distance Limits Met?	X		Distance to nearest property line: >100 feet. Distance to nearest off-plant receptor: >100 feet.	07/24/2007	Mr. Jonathan Wilmoth, P.E.

	TECHNICAL REVIEWER	PEER REVIEWER	FINAL REVIEWER
SIGNATURE:			
PRINTED NAME:	Mr. Jonathan Wilmoth, P.E.	Mr. Monica Banda	Mr. Monica Banda
DATE:	07/24/07, 07/31/07, and 08/01/07	07/24/07 08/01/07	07/24/07 08/01/07

BASIS OF PROJECT POINTS	POINTS
Base Points: 106.261	1.5
Project Complexity Description and Points:	
Internal check for a Special Condition in a Permit	0.25
Deficiencies, phone calls, and e-mail	0.75
Change in type of letter to close project and additional phone calls to company	0.5
Technical Reviewer Project Points Assessment:	3.0
Final Reviewer Project Points Confirmation:	

08/01/2007 ----- NSR PERMITS IMS- PROJECT RECORD -----

PROJECT#: 130238 PERMIT#: 82209 STATUS: P DISP CODE: V
RECEIVED: 06/18/2007 PROJTYPE: XRVW RENEWAL:
FEE DATE: FEE AMT: \$ 450 PROJ-ISSUE DATE: 8/2/7 3.0
STDY,PBR#,STDP: 0261 CHECK NUMBER: 61728 Memo
PROJECT NAME: BTX UNIT VENT GAS STREAM

GROUP: PAR

PAR1_2 : VILLARREAL, IRMA

GROUP: ART

TECHENGR : WILMOTH, JONATHAN

ADMIN REVIEW

A - PAR RECEIVED : 06/18/2007 A - CENTRAL
REGISTRY UPDATED : 06/21/2007 A - PAR TRANSFER TO 06/22/2007
APD :

ISSUED TO: DIAMOND SHAMROCK REFINING COMPANY LP

COMPANY NAME: DIAMOND SHAMROCK REFINING COMPANY LP

CUSTOMER REGISTRY ID: CN600124861

PRIMARY CONTACT INFORMATION

CONTACT TYPE: TECHNICAL CONTACT

NAME: MR VAISHALI SHAH

TITLE: ENVIRONMENTAL ENGINEER

EMPLOYER NAME: DIAMOND SHAMROCK REFINING
COMPANY LP

PHONE: 361-786-8268 ext

FAX: 361-786-2833 ext

STREET: PO BOX 490

CITY/STATE, ZIP: THREE RIVERS, TX , 78071-
0490

CONTACT TYPE: RESPONSIBLE OFFICIAL

NAME: MR JON KIGGANS

TITLE: HS&E DIRECTOR

EMPLOYER NAME: DIAMOND SHAMROCK REFINING
COMPANY LP

PHONE: 361-786-8286 ext

FAX: 361-786-2833 ext

STREET: PO BOX 490

CITY/STATE, ZIP: THREE RIVERS, TX , 78071-
0490

PROJECT INFORMATION

UNIT: BTX UNIT VENT GAS STREAM

SIC: 2911 REGION: 14 ACCOUNT: LK0009T

REG ENTITY ID:
RN100542802

SITE NAME: DIAMOND SHAMROCK REFINING VALERO

COUNTY: LIVE OAK CAPUNITS: UNITTYPE:

CAPACITY: CITY: THREE RIVERS

LOCATION: 301 LEROY STREET

PUBLIC NOTICE

PUBLIC NOTICE REQUIRED?: PN1 ALT LANGUAGE: NO PN2 ALT LANGUAGE: NO

**EMISSION
RATES**

TONS/YR REDUCTION	NOX	CO	VOC	PM	SO2	OTHER	TOTAL
-------------------	-----	----	-----	----	-----	-------	-------

PROJECT NOTES**TECHNICAL ACTIVITY HISTORY**

TR - ENGINEER RECEIVE PROJECT :	06/25/2007	SUP - RECEIVED FROM PAR :	06/25/2007	TR - INITIAL REVIEW COMPLETE :	07/03/2007
TELECON :	07/24/2007	TR - FINAL PKG TO TEAM LEADER :	07/24/2007		
TR - DEFICIENCY CYCLE :	07/24/2007	08/01/2007			
TR - PEER REVIEW :	07/24/2007	07/24/2007	TELECON :	07/25/2007	TELECON : 07/26/2007
TELECON :	07/26/2007	TELECON :	07/27/2007	TELECON :	07/27/2007
TELECON :	07/27/2007	TELECON :	07/30/2007	TELECON :	07/30/2007
TELECON :	07/30/2007	TR - FINAL PKG TO TEAM LEADER :	07/31/2007		
TR - PEER REVIEW :	07/31/2007	07/31/2007			
TELECON :	08/01/2007	TELECON :	08/01/2007	TELECON :	08/01/2007
TR - PROJECT TO ADMIN :	08/01/2007	TR - FINAL PKG TO TEAM LEADER :	08/01/2007		
TR - PEER REVIEW :	08/01/2007	08/01/2007			
TR - PROJECT TO ADMIN :	08/02/2007				

PROJECT ATTRIBUTES**PROJECT LINK****PROJECTS/PERMITS VOIDANCE**

Jonathan Ray Wilmoth - December 9, 2005 TCEQ memo

From: Jonathan Ray Wilmoth
To: vaishali.shah@valero.com
Date: 7/30/2007 7:38 AM
Subject: December 9, 2005 TCEQ memo
CC: Banda, Monico; Carpenter, Rich

130238 / 82209

Dear Ms. Shah:

As per your July 27, 2007 phone message, here is the requested link for the December 9, 2005, memo concerning voiding of new source review permits and authorization under permits by rule or standard permits:

http://www.tceq.state.tx.us/assets/public/permitting/air/memos/pbr_rollout_12_05.pdf

If you have any questions, fee free to contact me.

Sincerely,

Jonathan Wilmoth, P.E.
Texas Commission on Environmental Quality
Air Permits Division
Phone: 512-239-0567
Fax: 512-239-1070
Email: JWilmoth@tceq.state.tx.us

06/22/2007 ----- NSR PERMITS IMS- PROJECT RECORD -----

PROJECT#: 130238 PERMIT#: 82209 STATUS: P DISP CODE: _____
RECEIVED: 06/18/2007 PROJTYPE: XRVW RENEWAL: _____
FEE DATE: FEE AMT: \$ 450 PROJ-ISSUE DATE: _____
STDx,PBR#,STDP: 0261 CHECK NUMBER: 61728
PROJECT NAME: BTX UNIT VENT GAS STREAM

07/03/07

GROUP: PAR

PAR1_2 : VILLARREAL, IRMA

GROUP: ART

TECHENGR : WILMOTH, JONATHAN

ADMIN REVIEW

A - PAR RECEIVED : 06/18/2007 A - CENTRAL
REGISTRY UPDATED : 06/21/2007 A - PAR TRANSFER TO
APD : 06/22/2007

ISSUED TO: DIAMOND SHAMROCK REFINING COMPANY LP
COMPANY NAME: DIAMOND SHAMROCK REFINING COMPANY LP
CUSTOMER REGISTRY ID: CN600124861

PRIMARY CONTACT INFORMATION

CONTACT TYPE: TECHNICAL CONTACT

NAME: MR VAISHALI SHAH

TITLE: ENVIRONMENTAL ENGINEER

EMPLOYER NAME: DIAMOND SHAMROCK REFINING
COMPANY LP

PHONE: 361-786-8268 ext

FAX: 361-786-2833 ext

STREET: PO BOX 490

CITY/STATE, ZIP: THREE RIVERS, TX , 78071-
0490

CONTACT TYPE: RESPONSIBLE OFFICIAL

NAME: MR JON KIGGANS

TITLE: HS&E DIRECTOR

EMPLOYER NAME: DIAMOND SHAMROCK REFINING
COMPANY LP

PHONE: 361-786-8286 ext

FAX: 361-786-2833 ext

STREET: PO BOX 490

CITY/STATE, ZIP: THREE RIVERS, TX , 78071-
0490

PROJECT INFORMATION

UNIT: BTX UNIT VENT GAS STREAM

SIC: 2911 REGION: 14 ACCOUNT: LK0009T

REG ENTITY ID:
RN100542802

SITE NAME: DIAMOND SHAMROCK REFINING VALERO

COUNTY: LIVE OAK CAPUNITS: UNITTYPE:

CAPACITY: CITY: THREE RIVERS

LOCATION: 301 LEROY STREET

PUBLIC NOTICE

PUBLIC NOTICE REQUIRED?: PN1 ALT LANGUAGE: NO PN2 ALT LANGUAGE: NO

R750322

DOC#1 NW NSRP:
TRW 347632 347936
0X1 347632 347936
0X10 347632 347936

**EMISSION
RATES**

TONS/YR REDUCTION	NOX	CO	VOC	PM	SO2	OTHER	TOTAL
-------------------	-----	----	-----	----	-----	-------	-------

PROJECT NOTES

TECHNICAL ACTIVITY HISTORY

TR - ENGINEER

RECEIVE PROJECT : 6-25

SUP - RECEIVED 6-25

FROM PAR :

TR - PROJECT TO

ADMIN :

TR - FINAL PKG TO

TEAM LEADER :

TR - DEFICIENCY

CYCLE :

TR - INITIAL

REVIEW

COMPLETE :

TR - PEER REVIEW :

PROJECT ATTRIBUTES

PROJECT LINK

PROJECTS/PERMITS VOIDANCE

Mail Envelope Properties (467ADFC2.308 : 3 : 31259)

Subject: NSR Numbers Project 130238
Creation Date 6/21/2007 3:29:54 PM
From: Irma Villarreal

Created By: IVillarr@tceq.state.tx.us

Recipients	Action	Date & Time
tceq.state.tx.us		
IRPO.TNRDOM1	Delivered	6/21/2007 3:30:03
PM		
REGISTRY (WWW - REGISTRY)		

Post Office	Delivered	Route
IRPO.TNRDOM1	6/21/2007 3:30:03 PM	tceq.state.tx.us

Files	Size	Date & Time
MESSAGE	664	6/21/2007 3:29:54 PM
TEXT.htm	539	

Options

Auto Delete:	No
Expiration Date:	None
Notify Recipients:	Yes
Priority:	Standard
ReplyRequested:	No
Return Notification:	None

Concealed Subject:	No
Security:	Standard

To Be Delivered:	Immediate
Status Tracking:	Delivered & Opened

Irma Villarreal - NSR Numbers Project 130238

From: Irma Villarreal
To: registry
Date: 6/21/2007 3:29 PM
Subject: NSR Numbers Project 130238

APIRT Received Originals

RN100542802
DIAMOND SHAMROCK REFINING VALERO

CN600124861

Please add the following:
82209 - Registration - Pending

Thank You
Irma



[UCC](#) | [Business Organizations](#) | [Trademarks](#) | [Account](#) | [Help/Fees](#) | [Briefcase](#) | [Logout](#)

FIND GLOBAL NAME SEARCH

This search was performed on with the following search parameter:

ENTITY NAME : Diamond Shamrock Refining Company LP

<u>Mark</u>	<u>Filing Number</u>	<u>Name</u>	<u>Entity Type</u>	<u>Entity Status</u>	<u>Name Type</u>	<u>Name Status</u>
<input type="radio"/>	7190711	DIAMOND SHAMROCK REFINING COMPANY, L.P.	Foreign Limited Partnership	In existence	Legal	In use
<input type="radio"/>	5958206	DIAMOND SHAMROCK REFINING AND MARKETING COMPANY	Foreign For-Profit Corporation	Terminated	Legal	Inactive
<input type="radio"/>	7714106	DIAMOND SHAMROCK REFINING AND MARKETING COMPANY	Foreign For-Profit Corporation	In existence	Legal	Prior
<input type="radio"/>	1146506	DIAMOND SHAMROCK CORPORATION	Foreign For-Profit Corporation	Terminated	Legal	Prior
<input type="radio"/>	5937806	DIAMOND SHAMROCK CORPORATION	Foreign For-Profit Corporation	In existence	Legal	Prior
<input type="radio"/>	6115106	DIAMOND SHAMROCK CORPORATE COMPANY	Foreign For-Profit Corporation	Terminated	Legal	Prior
<input type="radio"/>	7232906	DIAMOND SHAMROCK, INC.	Foreign For-Profit Corporation	Terminated	Legal	Inactive
<input type="radio"/>	161214100	Diamond Shamrock	Domestic For-Profit Corporation	In existence	Assumed	Active
<input type="radio"/>	800044027	Diamond Shamrock	Domestic Limited Liability Company (LLC)	In existence	Assumed	Active
<input type="radio"/>	6021906	DIAMOND SHAMROCK INTERNATIONAL ENERGY COMPANY	Foreign For-Profit Corporation	Withdrawn	Legal	Inactive

Records 1 to 10 of 62 scroll

[Next >>](#)

OR [proceed to page](#)

of 7 pages

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Instructions:

- To view additional information pertaining to a particular filing select the number associated with the name.
- To place an order for additional information about a filing select the radial button listed under 'Mark' that is associated with the entity and press the 'Order' button.

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**Texas Commission on Environmental Quality
Registration for Permits by Rule (PBR)
Form PI-7 Submission Instructions**

JOE EVANS
512-431-8809

I. REGISTRANT INFORMATION				Link to PI-7 Instructions	
A. TCEQ Customer Reference Number:		CN- 600124861	TCEQ Regulated Entity Number:		RN- 100542802
<i>Note: If "NO," CN or RN number was entered above; please fill out the required Core Data Form, which will be available in Step II of the submittal process.</i>					
B. Company or Other Legal Customer Name: Diamond Shamrock Refining Company, L.P., a Valero Company					
Company Official Contact Name: Jon Kiggans			Title: HS&E Director		
Mailing Address: P.O. Box 490					
City: Three Rivers		State: TX		Zip Code: 78071	
Phone No.: 361-786-8286		Fax No.: 361-786-2833		E-mail Address:	
C. Technical Contact Name: Vaishali Shah					
Company: Diamond Shamrock Refining Company, L.P.					
Mailing Address: P.O. Box 490					
City: Three Rivers		State: TX		Zip Code: 78071	
Phone No.: 361-786-8268		Fax No.: 361-786-2833		E-mail Address: VAISHALI.SHAH@VAMMO.CO	
D. Facility Location Information - Street Address: 301 Leroy St.					
<i>If "NO," street address, provide written driving directions to the site: (attach description if additional space is needed)</i>					
City: Three Rivers		County: Live Oak		Zip Code: 78071	
II. FACILITY AND SITE INFORMATION				Link to PI-7 Instructions	
A. Name and Type of Facility: BTX Unit Vent Gas Stream				<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Portable	
B. PBR claimed under 30 TAC § 106 (List all that apply in hard copy, or choose all that apply from the drop down menus in electronic version):					
§ 106.261 Facilities (Emission Limitations)			§ 106.		
§ 106.			§ 106.		
§ 106.			§ 106.		
Are you claiming a historical standard exemption or PBR ?					<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," enter effective date and Rule Number:					
C. Are you registering a grandfathered facility? If "YES," attach documentation of construction date:					<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
D. Is there a previous Standard Exemption or PBR for the facility in this registration? (Attach details regarding changes)					<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," enter Registration Number and Rule Number:					
E. Are there any other facilities at this site which are authorized by an Air Standard Exemption or PBR ?					<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
If "YES," enter Registration Number and Rule Number:					Refer to TCEQ IMS
F. Are there any other air preconstruction permits at this site?					<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
If "YES," enter Permit Numbers:					Refer to TCEQ IMS
G. Is this site required to obtain an air federal operating permit ?					<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
If "YES," enter Permit Number:					01450
H. TCEQ Account Identification Number (if known):				LK-0009-T	





**Texas Commission on Environmental Quality
Registration for Permits by Rule (PBR)
Form PI-7 Submission Instructions**

III. FEE INFORMATION		<u>Link to PI-7 Instructions</u>
<i>To determine if a fee is required answer the following question. If "YES," to question III. A., a fee is not required, skip to Section IV. If "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee or go to www.2.tceq.state.tx.us/epay to pay online.</i>		
A. Is this registration an update to a previously registered facility and accompanied by a Certification Form solely to establish a federally enforceable emission limit?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
B. What is the fee amount? <i>If "YES," to any of the following three questions, a \$100 fee is require. Otherwise, a \$450 fee is required.</i>		
Does this business have less than 100 employees?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Does this business have less than 1 million dollars in annual gross receipts?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Is this registration submitted by a governmental entity with a population of less than 10,000?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
C. Check/Money Order or Transaction Number (Payable to TCEQ):	61728	Was fee Paid online? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Company name of check: Sage Environmental Consulting, L.P.		Fee amount: \$ \$450.00
IV. SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATION		<u>Link to PI-7 Instructions</u>
<i>Note: If claiming one of the following PBRs, complete this section, then skip to Section VI., "Submitting your registration" below:</i> <i>Animal Feeding Operations § 106.161 Livestock Auction Facilities § 106.162 Saw Mills § 106.223</i> <i>Grain Handling, Storage and Drying § 106.283 Auto Body Refinishing Facilities § 106.436 Air Curtain Incinerator § 106.496</i>		
A. Is the applicable PBR checklist attached which shows the facility meets all general and specific requirements of the PBR(s) being claimed?		<input type="checkbox"/> YES <input type="checkbox"/> NO
B. Distance from this facility's emission release point to the nearest property line:	feet	
Distance from this facility's emission release point to the nearest off-property structure:	feet	
V. TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REGULATORY REQUIREMENTS		
<i>Registrants must be in compliance with all applicable state and federal regulations and standards to claim a PBR.</i>		
A. Is Confidential information submitted and properly marked "CONFIDENTIAL" with this registration?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
B. Is a process flow diagram or a process description attached?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
C. Are emissions data and calculations for this claim attached?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
D. Is information attached showing how the general requirements (30 TAC § 106.4) of the PBR is met for this Registration? (PBR checklists may be used, but are optional)		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>Note: Please be reminded that if the facilities listed in this registration are subject to the Mass Emissions Cap & Trade program under 30 TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities must possess NO_x allowances equivalent to the actual NO_x emissions from these facilities.</i>		
E. Is information attached showing how the specific PBR requirements are met for this registration? (PBR checklist may be used, but are optional)		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
F. Distance from this facility's emission release point to the nearest property line:	>100 feet	
Distance from this facility's emission release point to the nearest off-property structure:	>100 feet	
<i>Note: In limited cases, a map or drawing of the site and surrounding land use may be requested during the technical review or at the request of the TCEQ Regional Office or local air pollution control program during an investigation.</i>		

June 15, 2007

Air Permits Division
Air Permits Initial Review Team
Registration, Review and Reporting Division, MC 161
P.O. Box 13088
Austin, Texas 78711-3087

AIR PERMITS DIVISION

JUN 15 2007

RECEIVED

Re: Diamond Shamrock Refining Company, L.P. a Valero Company
Permit By Rule 102.261 Registration
Three Rivers Refinery, Live Oak County
TCEQ Account No. LK-0009-T
TCEQ Customer Reference No. 600124861
TCEQ Regulated Entity No. 100542802

Dear Mr. Hyde:

This letter is submitted on behalf of Diamond Shamrock Refining Company, L.P., a Valero Company (Valero), Valero Three Rivers Refinery. Valero hereby submits the enclosed Permit By Rule (PBR) documentation to authorize the rerouting of a small vent gas stream from the refinery's BTX Unit Ejector Condensate Receiver to their No. 2 West Plant/DOT Flare under 30 TAC §106.261.

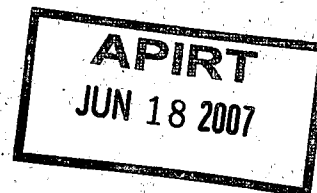
The Permit by Rule fee in the amount of \$450 has been delivered to the TCEQ Revenue Section. A copy of the fee check has been included in this submittal.

If you have any questions or comments, please feel free to call me at (972) 480-9800.

Sincerely,
Sage Environmental Consulting

Nancy White
for

Joe J. Ibanez



enclosure

cc: Jon Kiggans, Diamond Shamrock Refining Co., L.P.
Vaishali Shah, Diamond Shamrock Refining Co., L.P.
David Turner, Air Section Manager, TCEQ Region 14 – Corpus Christi

**Diamond Shamrock
Refining Company, L.P.,
a Valero Company**

**Permit by Rule Registration for
BTX Unit Ejector Condensate Receiver
Vent Gas to Flare
Under 30 TAC §106.261**

**Three Rivers Refinery
Live Oak County, Texas**

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1.2 Evaluation of Major New Source Review Applicability	1-1
1.3 Registration Overview	1-2
2 Project Description	2-1
3 Process Description.....	3-1
4 Emission Calculations.....	4-1
4.1 Flare Emissions.....	4-1
5 Applicability	5-1

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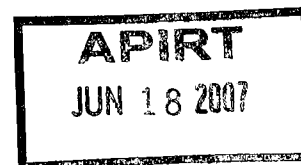
Figure 1-1 Area Map	1-3
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LIST OF TABLES

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LIST OF APPENDICES

Appendix A TCEQ Administrative Forms and Tables
Appendix B Emission Calculations
Appendix C PBR §106.261



SECTION 1 INTRODUCTION

5000
FDR

Diamond Shamrock Refining Company, L.P., a Valero Company (Valero) submits this registration to authorize an additional vent gas stream to the existing No. 2 West Plant/DOT Flare (FL-006) under Title 30, Chapter 106 of the Texas Administrative Code (30 TAC 106) Section 106.261. The facility TCEQ account number is LK-0009-T.

This registration is submitted to address a small vent gas stream from the BTX Unit recently discovered on June 2, 2007. The vent gas stream was not previously authorized under the facility's site-wide comprehensive NSR Flexible Permit 50607. Pursuant to Special Condition 1 of this permit, the TCEQ Region 14 (Corpus Christi) Office was notified of the discovery of this vent on June 8, 2007. Valero intends to incorporate this PBR into the Flexible Permit at the earliest opportunity.

1.1 Facility Information

The Valero Three Rivers Refinery is an integrated petroleum refinery. Crude oil is delivered to the refinery via pipeline, then processed and refined into various petrochemical products and commercial petroleum products such as gasoline, heating oil, and diesel fuel.

The Three Rivers Refinery is located at 301 Leroy Street in Three Rivers, Texas. Figure 1-1 is an area map showing the refinery location relative to nearby topographic features. This map is based on a United States Geological Survey (USGS) quadrangle map, and it indicates the plant boundary, nearest school, a 3,000-foot radius and 1-mile radius from the permitted facility. As indicated by the area map, there is one school located within 3,000 feet of the permitted facility.

1.2 Evaluation of Major New Source Review Applicability

As specified in 30 TAC 106.4(a)(2), a project cannot be authorized under a PBR if it is subject to either of the following two types of Major New Source Review (NSR) Requirements:

- **Non-attainment NSR:** The Three Rivers Refinery is located in Live Oak County, which is classified as attainment or unclassifiable for all criteria pollutants. Therefore, projects at the Three Rivers Refinery are not subject to Non-attainment NSR review.
- **Prevention of Significant Deterioration (PSD):** PSD review requirements may apply if project-related emissions increases of any criteria pollutants are higher than

the associated PSD significance levels. As shown in the following table, each emission increase calculated is lower than the corresponding PSD significance level. Therefore, contemporaneous PSD netting is not required and the project is not subject to PSD review.

The potential increases in emissions associated with the proposed changes are summarized in Table 1-1 below.

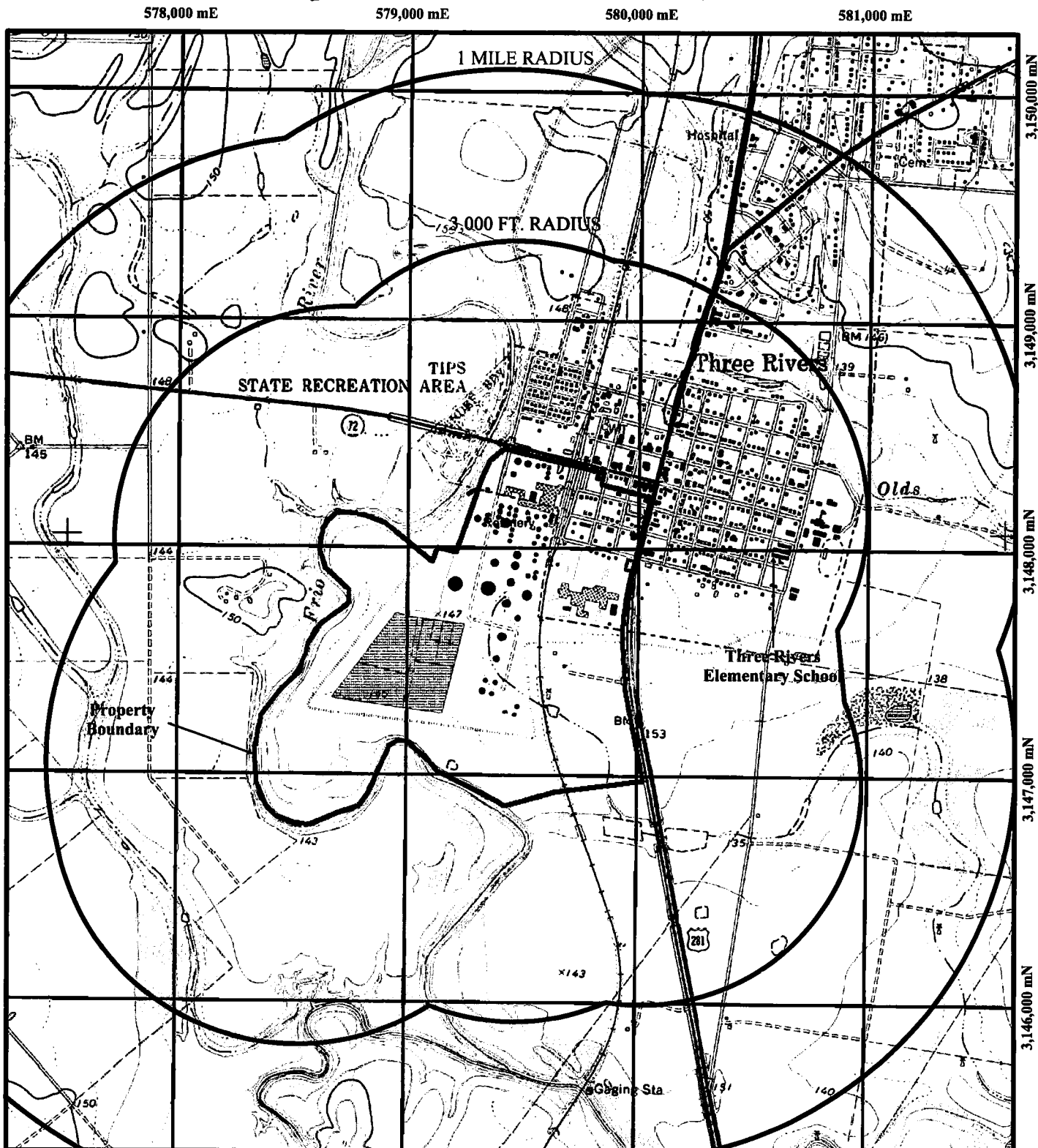
Table 1-1 / PSD Applicability Evaluation Summary				
Pollutant	Project-related Emission Increase (TPY)	PSD Significance Level (TPY)	Evaluation Conclusions	
			Is Netting Required?	Is PSD Review Required?
NO _x	0.07	40	No	No
CO	0.36	100	No	No
Volatile Organic Compounds (VOC)	0.05	40	No	No

Calculations of the project-related emission increases are included in Appendix B.

1.3 Registration Overview

The following materials are included in the appendices of this registration to provide support for the authorization.

- The project description is included in Section 2.
- A process description is included in Section 3.
- A discussion of permit by rule applicability is included in Section 5.
- Form PI-7 and PBR applicability checklists are included in Appendix A.
- Emission rate calculations are included in Appendix B.



SCALE 1:24,000

0 MILES 0.5 1.0 MILES

0 FEET 2500
U.S.G.S. 7.5 MINUTE SERIES

PORT ARTHUR NORTH, TEXAS QUADRANGLE
WEST OF GREENS BAYOU, TEX.-LA. QUADRANGLE

NORTH

APIRT

JAN 18 2007

1-11

FIGURE 1-1 AREA MAP

DIAMOND SHAMROCK REFINING CO., L.P.,
A VALERO COMPANY
SITE LOCATION ON USGS MAP
301 LEROY, THREE RIVERS, TX 78071

SAGE
ENVIRONMENTAL CONSULTING

"Friendly Service, No Surprises!"

DATE: FEBRUARY 2003

PROJ. # A-25-02-28

FILE NAME: TRR Area Map2.dwg

SECTION 2

PROJECT DESCRIPTION

This registration is submitted to address a small vent gas stream from the refinery's BTX Unit discovered on June 2, 2007. The vent gas stream was previously routed to the BTX Unit boiler. As part of this registration, Valero would like to authorize the rerouting of this stream to the refinery's No. 2 West Plant/DOT Flare (FL-006). The average total flow rate to this vent is approximately 62 lb/hour and consists primarily of air and steam. The maximum total flow rate to this vent is approximately 124 lb/hour. There are some residual hydrocarbons in the stream and its content has been estimated as approximately 0.1 lb/hr. The total VOC emissions from this vent are calculated to be 0.05 tons/year after control to the flare.



SECTION 3

PROCESS DESCRIPTION

This authorization request pertains to a vent stream from the BTX ejector condensate receiver drum (54-D106). The feed to this drum is comprised of the condensate from the vacuum jets for the BTX Unit solvent regenerator and excess water from the benzene column overhead receiver. The receiver bottoms are routed to the desalter.

SECTION 4

EMISSION CALCULATIONS

This section includes descriptions of the methods used to calculate emission rates associated with the BTX Unit vent gas stream to the flare.

4.1 Flare Emissions

The heat input mass flow rates to the flares are based on the total estimated flow rate of material to the flare and a minimum heat content of 200 MMBtu/scf. The flow rates of materials to the flare were estimated by using best engineering estimates.

Emissions of VOCs are calculated by assuming that the flares achieve 98% destruction of combustible compounds received by the flares. CO and NO_x emission rates are calculated using the highest (most conservative) emission factors in the TCEQ's Air Permit Technical Guidance for Flares and Vapor Oxidizers dated June 1998. These emission factors are multiplied by the long-term average and short-term maximum heat input rates. Particulate emissions are assumed to be zero because the flares are smokeless. This particular vent stream contains no sulfur compounds, therefore SO₂ emissions are zero.

SECTION 5

APPLICABILITY

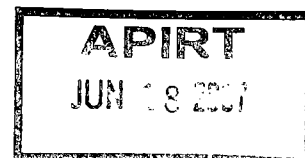
Sources applying for permit by rule must meet general and specific requirements as outlined in 30 TAC 106 and the applicable sections therein. Checklists for each Permit by Rule are attached in Appendix A. These checklists document that each requirement for the Permit by Rule registration is met. The following checklists are included in Appendix A:

- 30 TAC §106.4 Permit by Rule Applicability Checklist; and
- 30 TAC §106.261 Permit by Rule Checklist.

The No. 2 West Plant/DOT Flare is subject to 40 CFR Part 60, Subpart A (NSPS A) and 40 CFR Part 63, Subpart A (MACT A). Valero will continue to comply with these regulations as applicable.

The BTX Unit Ejector Condensate Receiver vent gas stream may be considered a fuel gas being combusted by a fuel gas combustion device, and is potentially subject to 40 CFR Part 60, Subpart J (NSPS J). Valero will comply with this regulation consistent with their existing Consent Decree (Civil Action No. SA 05-CA-0569), and in accordance with the schedule outlined in paragraphs 237-241 of the decree.

This vent is also potentially subject to 40 CFR Part 63, Subpart G (MACT G), however it does not meet the criteria in 40 CFR §63.107(b)-(h). More specifically, the vent gas stream does not originate as a continuous flow from an air oxidation reactor, distillation unit, or reactor during operation of the process unit. Therefore, the BTX Unit Ejector Condensate Receiver vent gas stream is not considered subject to MACT G.



APPENDIX A

TCEQ ADMINISTRATIVE FORMS AND TABLES

The following forms and tables are included in this appendix in the following order:

- Form PI-7;
- 30 TAC §106.4 Permit by Rule Applicability Checklist; and
- 30 TAC §106.261 Permit by Rule Checklist.



Texas Commission on Environmental Quality
Permit by Rule Applicability Checklist
Title 30 Texas Administrative Code § 106.4



The following checklist was developed by the Texas Commission on Environmental Quality (TCEQ), Air Permits Division, to assist applicants in determining whether or not a facility meets all of the applicable requirements. Before claiming a specific Permit by Rule (PBR), a facility must first meet all of the requirements of Title 30 Texas Administrative Code § 106.4 (30 TAC § 106.4), "Requirements for Permitting by Rule." Only then can the applicant proceed with addressing requirements of the specific Permit by Rule being claimed.

The use of this checklist is not mandatory; however, it is the responsibility of each applicant to show how a facility being claimed under a PBR meets the general requirements of 30 TAC § 106.4 and also the specific requirements of the PBR being claimed. If all PBR requirements cannot be met, a facility will not be allowed to operate under the PBR and an application for a construction permit may be required under 30 TAC § 116.110(a).

Registration of a facility under a PBR can be performed by completing Form PI-7 (Registration for Permits by Rule) or Form PI-7-CERT (Certification and Registration for Permits by Rule). The appropriate checklist should accompany the registration form. Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the question number. The PBR forms, tables, checklists and guidance documents are available from the TCEQ, Air Permits Division Web site at: www.tceq.state.tx.us/permitting/air/nav/air_pbr.html.

1. 30 TAC § 106.4(a)(1) & (4): Emission limits	
List emissions in tpy for each facility (add additional pages or table if needed):	
SO ₂ = <u>0.00</u> PM ₁₀ = <u>0.00</u> VOC = <u>0.05</u> NO _x = <u>0.07</u> CO = <u>0.36</u> Other _____ = <u>0.48</u>	
SO ₂ = _____ PM ₁₀ = _____ VOC = _____ NO _x = _____ CO = _____ Other _____ = _____	
SO ₂ = _____ PM ₁₀ = _____ VOC = _____ NO _x = _____ CO = _____ Other _____ = _____	
Total <u>0.00</u> <u>0.00</u> <u>0.05</u> <u>0.07</u> <u>0.36</u> <u>0.48</u>	
<ul style="list-style-type: none">• Are the SO₂, PM₁₀, VOC, or other air contaminant emissions claimed for each facility in this PBR submittal less than 25 tpy? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO• Are the NO_x and CO emissions claimed for each facility in this PBR submittal less than 250 tpy? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <p><i>If the answer to both is "Yes," continue to the question below. If the answer to either question is "No," a PBR cannot be claimed.</i></p>	
Has any facility at the property had public notice and opportunity for comment under 30 TAC Section 116 for a regular permit or permit renewal? (This does not include public notice for voluntary emission reduction permits, grandfathered existing facility permits, or federal operating permits.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
<p><i>If "Yes," skip to Section 2. If "No," continue to the questions below.</i></p> <p>If the site has had no public notice, please answer the following:</p> <ul style="list-style-type: none">• Are the SO₂, PM₁₀, VOC, or other emissions claimed for all facilities in this PBR submittal less than 25 tpy? <input type="checkbox"/> YES <input type="checkbox"/> NO• Are the NO_x and CO emissions claimed for all facilities in this PBR submittal less than 250 tpy? <input type="checkbox"/> YES <input type="checkbox"/> NO <p><i>If the answer to both questions is "Yes," continue to Section 2.</i> <i>If the answer to either question is "No," a PBR cannot be claimed. A permit will be required under Chapter 116.</i></p>	
2. 30 TAC § 106.4(a)(2): Nonattainment check	
Are the facilities to be claimed under this PBR located in a designated ozone nonattainment county? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<p><i>If "Yes," please indicate which county by checking the appropriate box to the right.</i></p> <p>(Marginal) - Hardin, Jefferson, and Orange counties (<i>BPA</i>) <input type="checkbox"/> BPA</p> <p>(Moderate) - Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller counties (<i>HGA</i>) <input type="checkbox"/> HGA</p> <p>(Moderate) - Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant counties (<i>DFW</i>) <input type="checkbox"/> DFW</p> <p><i>If "Yes," to any of the above, continue to the next question. If "No," continue to Section 3.</i></p>	

Permit by Rule General Applicability Checklist 30 TAC § 106.4

<p>Does this project trigger a nonattainment review? To determine the answer, review the information below:</p> <ul style="list-style-type: none"> ● Is the project's potential to emit (PTE) for emissions of VOC or NO_x increasing by 100 tpy or more? <i>PTE is the maximum capacity of a stationary source to emit any air pollutant under its worst-case physical and operational design unless limited by a permit, rule, or made federally enforceable by a certification.</i> ● Is the site an existing major nonattainment site and are the emissions of VOC or NO_x increasing by 40 tpy or more? <p>If needed, attach contemporaneous netting calculations per nonattainment guidance. Additional information can be found at: www.tceq.state.tx.us/permitting/air/forms/newsourcereview/tables/nsr_table8.html and www.tceq.state.tx.us/permitting/air/nav/air_docs_newsourcereview.html</p> <p><i>If "Yes," to any of the above, the project is a major source or a major modification and a PBR may not be used. A Nonattainment Permit review must be completed to authorize this project. If "No," continue to Section 3.</i></p>	<p><input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>3. 30 TAC § 106.4(a)(3): Prevention of Significant Deterioration (PSD) check</p>	
<p>Does this project trigger a review under PSD rules? To determine the answer, review the information below:</p> <ul style="list-style-type: none"> ● Are emissions of any regulated criteria pollutant increasing by 100 tpy of any criteria pollutant at a named source? ● Are emissions of any criteria pollutant increasing by 250 tpy of any criteria pollutant at an unnamed source? ● Are emissions increasing above significance levels at an existing major site? <p>PSD information can be found at: www.tceq.state.tx.us/permitting/air/forms/newsourcereview/tables/nsr_table9.html and www.tceq.state.tx.us/permitting/air/nav/air_docs_newsourcereview.html</p> <p><i>If "Yes," to any of the above, a PBR may not be used. A PSD Permit review must be completed to authorize the project. If "No," continue to Section 4.</i></p>	<p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>
<p>4. 30 TAC § 106.4(a)(6): Federal Requirements</p>	
<ul style="list-style-type: none"> ● Will all facilities under this PBR meet applicable requirements of Title 40 Code of Federal Regulations (40 CFR) Part 60, New Source Performance Standards (NSPS)? If "Yes," which Subparts are applicable?: <u>40 CFR Part 60, Subparts A and J</u> ● Will all facilities under this PBR meet applicable requirements of 40 CFR Part 63, Hazardous Air Pollutants Maximum Achievable Control Technology (MACT) standards? If "Yes," which Subparts are applicable?: <u>40 CFR Part 63, Subpart A</u> ● Will all facilities under this PBR meet applicable requirements of 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAPs)? If "Yes," which Subparts are applicable?: <u></u> <p><i>If "Yes" to any of the above, please attach a discussion of how the facilities will meet any applicable standards.</i></p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><input type="checkbox"/> N/A</p> <p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><input type="checkbox"/> N/A</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><input checked="" type="checkbox"/> N/A</p>
<p>5. 30 TAC § 106.4(a)(7): PBR prohibition check</p>	
<p>Are there any air permits at the site containing conditions which prohibit or restrict the use of PBRs?</p> <p><i>If "Yes," PBRs may not be used or their use must meet the restrictions of the permit. A new permit or permit amendment may be required. List permit number(s):</i> _____</p> <p><i>If "No," continue to Section 6.</i></p>	<p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>

6. 30 TAC § 106.4(a)(8): NO_x Cap and Trade																							
<ul style="list-style-type: none"> ● Is the facility located in Harris, Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County? <i>If "Yes," answer the question below. If "No," continue to Section 7.</i> ● Will the proposed facility or group of facilities obtain required allowances for NO_x if they are subject to 30 TAC Chapter 101, Subchapter H, Division 3 (relating to the Mass Emissions Cap and Trade Program)? 	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																						
7. Highly Reactive Volatile Organic Compounds (HRVOC) check																							
<ul style="list-style-type: none"> ● Is the facility located in Harris County? <i>If "Yes," answer the next question. If "No," skip to the box below.</i> ● Will the project be constructed after June 1, 2006? <i>If "Yes," answer the next question. If "No," skip to the box below.</i> ● Will one or more of the following HRVOC be emitted as a part of this project? <p><i>If "Yes," complete the information below:</i></p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 20%; text-align: center;"><u>lb/hr</u></th> <th style="width: 20%; text-align: center;"><u>tpv</u></th> </tr> </thead> <tbody> <tr> <td>▶ 1,3-butadiene</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>▶ all isomers of butene (e.g., isobutene [2-methylpropene or isobutylene])</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>▶ alpha-butylene (ethylethylene)</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>▶ beta-butylene (dimethylethylene, including both cis- and trans-isomers)</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>▶ ethylene</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>▶ propylene</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> </tbody> </table>		<u>lb/hr</u>	<u>tpv</u>	▶ 1,3-butadiene	_____	_____	▶ all isomers of butene (e.g., isobutene [2-methylpropene or isobutylene])	_____	_____	▶ alpha-butylene (ethylethylene)	_____	_____	▶ beta-butylene (dimethylethylene, including both cis- and trans-isomers)	_____	_____	▶ ethylene	_____	_____	▶ propylene	_____	_____	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO	
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▶ ethylene	_____	_____																					
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Title 30 Texas Administrative Code § 106.261
Permit By Rule (PBR) Checklist
Facilities (Emission Limitations)

APIRT
JUN 18 2007

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.261 (30 TAC § 106.261) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air_permits.html.

CHECK THE MOST APPROPRIATE ANSWER																																																			
Is a description or checklist of how this claim meets the general requirements for the use of PBRs in 30 TAC § 106.4 attached?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A																																																
b1	Is this claim for construction of a facility authorized in another section of this chapter or for which a standard permit is in effect? <i>If "YES," this PBR cannot be used to authorize emissions from the project</i>		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A																																																
b2	Is this claim for any change to any facility authorized under another section of this chapter or authorized under a standard permit? <i>If "YES," this PBR cannot be used to authorize emissions from the project</i>		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A																																																
a1	Are facilities or changes located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A																																																
a2	Are total new or increased emissions, including fugitives, less than or equal to 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials (check all that apply):		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A																																																
<table border="0"><tbody><tr><td><input type="checkbox"/> acetylene</td><td><input type="checkbox"/> helium</td><td><input type="checkbox"/> propyl ether</td><td><input type="checkbox"/> limestone</td></tr><tr><td><input type="checkbox"/> argon</td><td><input type="checkbox"/> isohexane</td><td><input type="checkbox"/> sulfur dioxide</td><td><input type="checkbox"/> magnesite</td></tr><tr><td><input type="checkbox"/> butane</td><td><input type="checkbox"/> isopropyl alcohol</td><td><input type="checkbox"/> alumina</td><td><input type="checkbox"/> marble</td></tr><tr><td><input type="checkbox"/> crude oil</td><td><input type="checkbox"/> methyl acetylene</td><td><input type="checkbox"/> calcium carbonate</td><td><input type="checkbox"/> pentaerythritol</td></tr><tr><td><input checked="" type="checkbox"/> carbon monoxide</td><td><input type="checkbox"/> methyl chloroform</td><td><input type="checkbox"/> calcium silicate</td><td><input type="checkbox"/> plaster of paris</td></tr><tr><td><input type="checkbox"/> cyclohexane</td><td><input type="checkbox"/> methyl cyclohexane</td><td><input type="checkbox"/> cellulose fiber</td><td><input type="checkbox"/> silicon</td></tr><tr><td><input type="checkbox"/> cyclohexene</td><td><input type="checkbox"/> neon</td><td><input type="checkbox"/> cement dust</td><td><input type="checkbox"/> silicon carbide</td></tr><tr><td><input type="checkbox"/> cyclopentan</td><td><input type="checkbox"/> nonane</td><td><input type="checkbox"/> emery dust</td><td><input type="checkbox"/> starch</td></tr><tr><td><input type="checkbox"/> ethyl acetate</td><td><input checked="" type="checkbox"/> oxides of nitrogen</td><td><input type="checkbox"/> glycerin mist</td><td><input type="checkbox"/> sucrose</td></tr><tr><td><input type="checkbox"/> ethanol</td><td><input type="checkbox"/> propane</td><td><input type="checkbox"/> gypsum</td><td><input type="checkbox"/> zinc stearate</td></tr><tr><td><input type="checkbox"/> ethyl ether</td><td><input type="checkbox"/> propyl alcohol</td><td><input type="checkbox"/> iron oxide dust</td><td><input type="checkbox"/> zinc oxide</td></tr><tr><td><input type="checkbox"/> ethylene</td><td><input type="checkbox"/> propylene</td><td><input type="checkbox"/> kaolin</td><td></td></tr></tbody></table>				<input type="checkbox"/> acetylene	<input type="checkbox"/> helium	<input type="checkbox"/> propyl ether	<input type="checkbox"/> limestone	<input type="checkbox"/> argon	<input type="checkbox"/> isohexane	<input type="checkbox"/> sulfur dioxide	<input type="checkbox"/> magnesite	<input type="checkbox"/> butane	<input type="checkbox"/> isopropyl alcohol	<input type="checkbox"/> alumina	<input type="checkbox"/> marble	<input type="checkbox"/> crude oil	<input type="checkbox"/> methyl acetylene	<input type="checkbox"/> calcium carbonate	<input type="checkbox"/> pentaerythritol	<input checked="" type="checkbox"/> carbon monoxide	<input type="checkbox"/> methyl chloroform	<input type="checkbox"/> calcium silicate	<input type="checkbox"/> plaster of paris	<input type="checkbox"/> cyclohexane	<input type="checkbox"/> methyl cyclohexane	<input type="checkbox"/> cellulose fiber	<input type="checkbox"/> silicon	<input type="checkbox"/> cyclohexene	<input type="checkbox"/> neon	<input type="checkbox"/> cement dust	<input type="checkbox"/> silicon carbide	<input type="checkbox"/> cyclopentan	<input type="checkbox"/> nonane	<input type="checkbox"/> emery dust	<input type="checkbox"/> starch	<input type="checkbox"/> ethyl acetate	<input checked="" type="checkbox"/> oxides of nitrogen	<input type="checkbox"/> glycerin mist	<input type="checkbox"/> sucrose	<input type="checkbox"/> ethanol	<input type="checkbox"/> propane	<input type="checkbox"/> gypsum	<input type="checkbox"/> zinc stearate	<input type="checkbox"/> ethyl ether	<input type="checkbox"/> propyl alcohol	<input type="checkbox"/> iron oxide dust	<input type="checkbox"/> zinc oxide	<input type="checkbox"/> ethylene	<input type="checkbox"/> propylene	<input type="checkbox"/> kaolin	
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<input checked="" type="checkbox"/> refinery petroleum fractions (except for pyrolysis naphthas and pyrolysis gasoline) containing less than ten volume percent benzene																																																			
<input type="checkbox"/> fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116																																																			
a3	Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m ³) as listed and referenced in Table 262 of 30 TAC § 106.262 of this title (relating to Facilities (Emission and Distance Limitations)? List chemical: _____ L value: _____		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A																																																
Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical not listed or referenced in Table 262? List chemical: _____			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A																																																
Are total new or increased emissions, including fugitives, of a chemical with a limit value of less than 200 mg/m ³ ? <i>If "Yes" the authorization of the chemical is not allowed under this section. We suggest you use 30 TAC § 106.262 to authorize the emissions, if applicable.</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A																																																

a4 Are there any changes to or additions of any existing air pollution abatement equipment?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
a5 Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
a6 Are emission increases five tons per year or greater? If "YES," this checklist must be attached to a Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<p>a7 Are emission increases less than five tons per year? If "YES," this checklist must be attached to a Form PI-7 and include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any. (pick one):</p> <p><input checked="" type="checkbox"/> Within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or</p> <p><input type="checkbox"/> By March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year.</p>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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APPENDIX B

EMISSION CALCULATIONS

The following emission calculation tables are included in this appendix in the following order:

- Table B-1: Summary of Proposed Flare Emission Rates; and
- Table B-2: No. 2 West Plant/DOT Flare (FL-006) Flare Emission Rates.

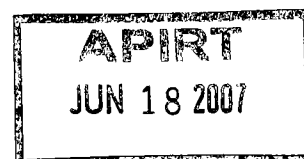


Table B.1
Summary of Proposed Flare Emission Rates
from Control of BTX Unit Vent Gas Stream
Valero Three Rivers Refinery - PBR 106.261

Compound	No. 2 West Plant/DOT Flare EPN FL-006	
	(lb/hr)	(TPY)
Organic Compounds	0.01	0.05
NO _x	0.04	0.07
CO	0.17	0.36

Table B.2
No. 2 West Plant/DOT Flare (FL-006) Flare Emission Rates
Valero Three Rivers Refinery - PBR 106.261

Compound	Molar Fraction ^A	Molar Weight	Weight Fraction ^B	DRE ^C (%)	Calculated Emission Rates ^E		
					Maximum (lb/hr)	Average (lb/hr)	Average (TPY)
Total Feed ^D					124.00	62.00	
H ₂ S (avg)	0.0000	34.08	0.00	98	-	0.00	0.00
H ₂ S (max)	0.0000	34.08	0.00	98	0.00	-	-
Organic Compounds	0.0003	110.00	0.002	98	0.01	0.01	0.05
Air	0.2288	28.97	0.32	0	-	-	-
Water (Steam)	0.7709	18.02	0.68	0	-	-	-
Totals/Avg.	1.00	Avg = 20.55	1.00				
Emission Rates of Combustion Products							
				NO _x ^H	0.04	0.02	0.07
Max. Short-Term Heat Input ^F = 0.47 MMBtu/hr				CO ^I	0.17	0.08	0.36
Avg. Long-Term Heat Input ^G = 0.23 MMBtu/hr				SO ₂ ^J	0.00	0.00	0.00

Notes: A. Molar Fraction calculated from weight percent. Weight percents based on best engineering estimates.

B. Weight Fraction = Molar Fraction * Molar Weight / Average Molar Weight

C. DRE (Destruction Removal Efficiency) values are from TNRCC's Technical Guidance for Flares and Vapor Oxidizers.

D. Total Feed values are based on best engineering estimates.

E. Calculated Emission Rates = Weight Fraction/100% * Total Feed * (100% - DRE)/100%
Average Emissions (TPY) = Average Emissions (lb/hr) * 8760 hr/yr / 2000 lb/ton

F. Max. Hourly Heat Input is based on the total feed rate of the stream and a minimum heat content of 200 Btu/scf.
Assist gas may be required to meet this minimum heat content of the gas stream. Otherwise, this stream will be combined with other waste gas streams with sufficiently high heat value at the fuel gas header.
Minimum Heat Content * [Molar Flow Rate * Gas Molar Volume] / 10⁶
Gas Molar Volume @ 68° = 385.4 scf/lbmol

G. Avg. Hourly Heat Input is based on the maximum hourly heat input for the case of estimating worst case emissions.

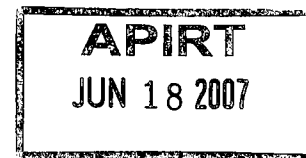
H. NO_x emission rate (lb/hr) = Heat Input * 0.068 lb/MMBtu ^K
NO_x emission rate (TPY) = Avg. Emission Rate (lb/hr) * 8760 hr/yr / 2000 lb/ton

I. CO emission rate (lb/hr) = Heat Input * 0.3503 lb/MMBtu ^K
CO emission rate (TPY) = Avg. Emission Rate (lb/hr) * 8760 hr/yr / 2000 lb/ton

J. SO₂ emission rate (lb/hr) = Total Feed * H₂S Weight Fraction/100% * DRE/100% * 64/32
SO₂ emission rate (TPY) = Avg. Emission Rate (lb/hr) * 8760 hr/yr / 2000 lb/ton

K. NO_x and CO emission factors are the most conservative factors in TCEQ's Guidance for Flares and Vapor Oxidizers.

$$(124 \text{ lb/hr}) (0.002) (1 - 0.98) = 0.004 \text{ lb/hr}$$



APPENDIX C
PBR §106.261

Texas Administrative Code

TITLE 30 ENVIRONMENTAL QUALITY

PART 1 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CHAPTER 106 PERMITS BY RULE

SUBCHAPTER K GENERAL

RULE §106.261 Facilities (Emission Limitations)

(a) Except as specified under subsection (b) of this section, facilities, or physical or operational changes to a facility, are permitted by rule provided that all of the following conditions of this section are satisfied.

(1) The facilities or changes shall be located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.

(2) Total new or increased emissions, including fugitives, shall not exceed 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials: acetylene, argon, butane, crude oil, refinery petroleum fractions (except for pyrolysis naphthas and pyrolysis gasoline) containing less than ten volume percent benzene, carbon monoxide, cyclohexane, cyclohexene, cyclopentane, ethyl acetate, ethanol, ethyl ether, ethylene, fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116, helium, isohexane, isopropyl alcohol, methyl acetylene, methyl chloroform, methyl cyclohexane, neon, nonane, oxides of nitrogen, propane, propyl alcohol, propylene, propyl ether, sulfur dioxide, alumina, calcium carbonate, calcium silicate, cellulose fiber, cement dust, emery dust, glycerin mist, gypsum, iron oxide dust, kaolin, limestone, magnesite, marble, pentaerythritol, plaster of paris, silicon, silicon carbide, starch, sucrose, zinc stearate, or zinc oxide.

(3) Total new or increased emissions, including fugitives, shall not exceed 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m^3) as listed and referenced in Table 262 of §106.262 of this title (relating to Facilities (Emission and Distance Limitations)) or of any other chemical not listed or referenced in Table 262. Emissions of a chemical with a limit value of less than 200 mg/m^3 are not allowed under this section.

(4) For physical changes or modifications to existing facilities, there shall be no changes to or additions of any air pollution abatement equipment.

(5) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any six-minute period.

(6) For emission increases of five tons per year or greater, notification must be provided using Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project,

calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.

(7) For emission increases of less than five tons per year, notification must be provided using either:

(A) Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or

(B) Form PI-7 by March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. This annual notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.

(b) The following are not authorized under this section:

(1) construction of a facility authorized in another section of this chapter or for which a standard permit is in effect; and

(2) any change to any facility authorized under another section of this chapter or authorized under a standard permit.

June 15, 2007

Texas Commission on Environmental Quality
Revenue Section, MC 214
P.O. Box 13088
Austin, Texas 78711-3088

Re: Diamond Shamrock Refining Company, L.P. a Valero Company
Permit By Rule 106.261 Registration Fee
Three Rivers Refinery, Live Oak County
TCEQ Account No. LK-0009-T
TCEQ Customer Reference No. 600124861
TCEQ Regulated Entity No. 100542802

To Whom It May Concern:

Diamond Shamrock Refinery Co., L.P. a Valero Company (Valero), is submitting a registration for Permit By Rule 106.261 at the Three Rivers Refinery in Live Oak county Texas under separate cover. Sage Environmental Consulting is submitting the enclosed Permit By Rule Registration Fee in the amount of \$450 on behalf of Valero. Copies of the PI-7 and Core Data Forms are also enclosed.

If you have any questions or comments, please feel free to call me at (972) 480-9800.

Sincerely,
Sage Environmental Consulting

Nancy White
for

Joe J. Ibanez

enclosure

cc: Jon Kiggans, Diamond Shamrock Refining Co., L.P.
Vaishali Shah, Diamond Shamrock Refining Co., L.P.