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Electronically Submitted via e-Permits

March 29, 2023

Texas Commission on Environmental Quality  
Air Permits Initial Review Team, MC 161  
P.O. Box 13087  
Austin, Texas 78711-3087

Re: Chevron Phillips Chemical Company LP (CN600303614)  
Port Arthur Bulk Loading and Transfer Facility – Dock Facility (RN102881588)  
Fugitive Components Permit By Rule

Chevron Phillips Chemical Company LP (CPChem) is submitting to the Texas Commission on Environmental Quality (TCEQ) a Permit by Rule (PBR) package to authorize emissions from components that were added at the Chevron Phillips Chemical Company LP, Port Arthur Bulk Loading and Transfer Facility. The fugitive emissions are authorized under 30 TAC §106.261. The PBR fees have been paid via TCEQ ePay (See e-Permitting Application).

If you have any questions or comments, please contact me, Cody Farmer, Sr. Environmental Engineer by phone at (409) 882-6363 or by email at [PACRAEnvironmental@cpchem.com](mailto:PACRAEnvironmental@cpchem.com).

Thank you for your time and consideration regarding this matter.

Sincerely,

Cody Farmer  
Sr. Environmental Engineer  
Port Arthur / Orange

Attachments



PERMIT BY RULE REGISTRATION  
CHEVRON PHILLIPS CHEMICAL COMPANY LP  
PORT ARTHUR BULK LOADING AND TRANSFER FACILITY

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Installation of Fugitive Components

30 TAC §106.261

March 2023

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## TABLE OF CONTENTS

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<b>PERMIT BY RULE REGISTRATION .....</b>	<b>I</b>
<b>1. EXECUTIVE SUMMARY .....</b>	<b>1-1</b>
<b>2. TCEQ FORMS .....</b>	<b>2-1</b>
<b>3. PROCESS AND PROJECT DESCRIPTION .....</b>	<b>3-1</b>
3.1 BULK LOADING AND TRANSFER FACILITY .....	3-1
3.2 PROJECT DESCRIPTION .....	3-1
<b>4. PLOT PLAN AND AREA MAP .....</b>	<b>4-2</b>
<b>5. EMISSION CALCULATIONS .....</b>	<b>5-1</b>
<b>APPENDIX A - CONFIDENTIAL .....</b>	<b>A</b>

## 1. EXECUTIVE SUMMARY

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Chevron Phillips Chemical Company LP (Chevron Phillips) operates a Bulk Loading and Transfer Facility (Dock Facility) in Port Arthur, Texas. The Port Arthur Bulk Loading and Transfer Facility is located in Jefferson County, which is designated as being in attainment of the eight-hour ozone standard and has a finding of attainment under the one-hour ozone standard per 40 CFR §81.344. The facility is an existing minor source for VOC. CPChem must demonstrate that the emission increases resulting from projects at the facility do not exceed any major modification emission thresholds as defined in 30 TAC §116.12(18)(A). The proposed project will not result in increases of NO<sub>x</sub>, CO, PM, PM<sub>10</sub>, PM<sub>2.5</sub> or SO<sub>2</sub>. The only pollutant in which there is a proposed increase in emissions in the PBR registration is VOC from fugitive equipment leaks. Air emissions at the Port Arthur Bulk Loading and Transfer Facility are authorized by NSR Permit Number 20173. Chevron Phillips proposes to authorize the addition of piping components under Permits by Rule §106.261. The addition is a result of the following projects:

- MOC-22-5282 - Adding valves and connectors/flanges to piping system
  - Flanges/Connectors: 41 in Light Liquid service
  - Valves: 12 in Light Liquid service
- MOC-22-5517 - Adding valves and connectors/flanges to piping system
  - Flanges/Connectors: 6 in Light Liquid service
  - Valves: 6 in Light Liquid service

These changes will result in an increase in fugitive components, and subsequently an increase in fugitive emissions for the emission points capturing the Port Arthur Bulk Loading and Transfer Facility EPN: FUG-1 piping component leaks.

Table 1-1 summarizes the overall emission summary included in this PBR application.

## OVERALL EMISSION SUMMARY

### Section 106.4 Emission Summary

EPN	FIN	Description	VOC	
			lb/hr	tpy
FUG-1	N/A	Process Fugitives	<0.01	0.01
TOTAL			<0.01	0.01

Table 1- 2 summarizes the emissions resulting from this project and demonstrates how the emissions qualify for registration under Permits by Rule §106.261.

MOC-22-5282									
EPN	Emissions Source Description	Compound	Fugitive Emissions		PBR Section §106.	L Value	Allowable Rate		Meets PBR?
			lb/hr	tpy		mg/m3	lb/hr	TPY	
FUG-1	Process Fugitives	PROPANE	4.93E-04	2.16E-03	261(a)(2)	-	6.00	10.00	YES
		METHYL ACETYLENE (PROPYNE)	5.63E-06	2.46E-05	261(a)(2)	-	6.00	10.00	YES
		BUTANE	2.06E-05	9.03E-05	261(a)(2)	-	6.00	10.00	YES
		PROPYLENE	1.35E-03	5.92E-03	261(a)(2)	-	6.00	10.00	YES
		PROPADIENE (ALLENE)	3.75E-06	1.64E-05	261(a)(3)	-	1.00	4.38	YES

  

MOC-22-5517									
EPN	Emissions Source Description	Compound	Fugitive Emissions		PBR Section §106.	L Value	Allowable Rate		Meets PBR?
			lb/hr	tpy		mg/m3	lb/hr	TPY	
FUG-1	Process Fugitives	PROPANE	1.89E-04	8.29E-04	261(a)(2)	-	6.00	10.00	YES
		METHYL ACETYLENE (PROPYNE)	2.16E-06	9.46E-06	261(a)(2)	-	6.00	10.00	YES
		BUTANE	7.92E-06	3.47E-05	261(a)(2)	-	6.00	10.00	YES
		PROPYLENE	5.19E-04	2.27E-03	261(a)(2)	-	6.00	10.00	YES
		PROPADIENE (ALLENE)	1.44E-06	6.31E-06	261(a)(3)	-	1.00	4.38	YES

## 2. TCEQ FORMS

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FORM PI-7 CERT

TABLE 1a EMISSION POINT SUMMARY

106.4 CHECKLIST

**Certification and Registration for Permits by Rule**  
**Form PI-7-CERT**  
**Page 1**  
**Texas Commission on Environmental Quality**

<b>I. Registrant Information</b>
A. Company or Other Legal Customer Name:
Company Official Contact Information ( <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Other _____)
Name: Connie Weber
Title: EHS&S Manager Port Arthur / Orange
Mailing Address: P.O. Box 1547
City: Port Arthur
State: TX
ZIP Code: 77641
Phone: 409-882-6334
Fax:
Email Address: PACRAEnvironmental@cpchem.com
<i>All PBR registration responses will be sent via email.</i>
A. Technical Contact Information ( <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Other _____)
Name: Cody Farmer
Title: Sr. Environmental Engineer
Company Name: Chevron Phillips Chemical Company LP
Mailing Address: P.O. Box 1547
City: Port Arthur
State: TX
ZIP Code: 77641
Phone Number: 409-882-6363
Fax Number:
Email Address: PACRAEnvironmental@cpchem.com



**Certification and Registration for Permits by Rule**  
**Form PI-7-CERT**  
**Page 2**  
**Texas Commission on Environmental Quality**

<b>II. Facility and Site Information</b>	
<b>A. Name and Type of Facility</b>	
Facility Name: Chevron Phillips Chemical Company LP	
Facility Type:	<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary
For portable units, please provide the serial number of the equipment being authorized below.	
Serial No(s):	
<b>B. Facility Location Information</b>	
Street Address: 3898 Coke Road, Port Arthur, TX 77640	
If there is no street address, provide written driving directions to the site and provide the closest city or town, county, and ZIP code for the site (attach description if additional space is needed).	
City: Port Arthur	
County: Jefferson	
ZIP Code: 77640	
<b>C. TCEQ Core Data Form</b>	
Is the Core Data Form (TCEQ Form Number 10400) attached? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>	
If "NO," provide customer reference number (CN) and regulated entity number (RN) below.	
Customer Reference Number (CN): CN600303614	
Regulated Entity Number (RN): RN102881588	
<b>D. TCEQ Account Identification Number (if known):</b> JE-0508-W	
<b>E. Type of Action</b>	
<input checked="" type="checkbox"/> Initial Application <input type="checkbox"/> Change to Registration	
For Change to Registration provide the Registration Number:	
<b>F. PBR number(s) claimed under 30 TAC Chapter 106</b>	
(List all the individual rule number(s) that are being claimed.)	
106.261	
106.	
106.	
106.	

**Certification and Registration for Permits by Rule**  
**Form PI-7-CERT**  
**Page 3**  
**Texas Commission on Environmental Quality**

<b>II. Facility and Site Information</b> <i>(continued)</i>
<b>G. Historical Standard Exemption or PBR</b>
Are you claiming a historical standard exemption or PBR? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>
If "YES," enter rule number(s) and associated effective date in the spaces provided below.
Rule Number: <span style="float: right;">Effective Date:</span>
Rule Number: <span style="float: right;">Effective Date:</span>
<b>H. Previous Standard Exemption or PBR Registration Number</b>
Is this authorization for a change to an existing facility previously authorized under a standard exemption or PBR? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>
If "YES," enter previous standard exemption number(s) and PBR registration number(s) and associated effective dates in the spaces provided below.
Standard Exemption and PBR Registration Number:
Effective Date:
<b>I. Other Facilities at this Site Authorized by Standard Exemption, PBR, or Standard Permit</b>
Are there any other facilities at this site that are authorized by an Air Standard Exemption, PBR, or Standard Permit? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>
If "YES," enter standard exemption number(s), PBR registration number(s), and Standard Permit registration number(s), and associated effective date in the spaces provided below.
Standard Exemption, PBR Registration, and Standard Permit Registration Number(s): See TCEQ Registry
Effective Date:
Standard Exemption, PBR Registration, and Standard Permit Registration Number(s):
Effective Date:
Standard Exemption, PBR Registration, and Standard Permit Registration Number(s):
Effective Date:
<b>J. Other Air Preconstruction Permits</b>
Are there any other air preconstruction permits at this site? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>
If "YES," enter permit number(s) in the spaces provided below.
See TCEQ Registry
<b>K. Affected Air Preconstruction Permits</b>
Does the PBR being claimed directly affect any permitted facility? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>

**Certification and Registration for Permits by Rule**  
**Form PI-7-CERT**  
**Page 4**  
**Texas Commission on Environmental Quality**

<b>II. Facility and Site Information</b> <i>(continued)</i>
If "YES," enter the permit number(s) in the spaces provided below.
20173
L. Federal Operating Permit (FOP) Requirements (30 TAC Chapter 122 Applicability)
1. Is this facility located at a site that is required to obtain an FOP pursuant to 30 TAC Chapter 122? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> To Be Determined</span>
If the site currently has an existing FOP, enter the permit number: N/A
Check the requirements of 30 TAC Chapter 122 that will be triggered if this certification is accepted. <i>(check all that apply)</i>
<input type="checkbox"/> Initial Application for a FOP <span style="margin-left: 50px;"><input type="checkbox"/> Significant Revision for an SOP</span> <span style="margin-left: 50px;"><input type="checkbox"/> Minor Revision for an SOP</span>
<input type="checkbox"/> Operational Flexibility/Off Permit Notification for an SOP <span style="float: right;"><input type="checkbox"/> Revision for a GOP</span>
<input type="checkbox"/> To be Determined <span style="margin-left: 100px;"><input checked="" type="checkbox"/> None</span>
2. Identify the type(s) of FOP issued and/or FOP application(s) submitted/pending for the site. <i>(check all that apply)</i>
<input type="checkbox"/> SOP <span style="margin-left: 50px;"><input type="checkbox"/> GOP</span> <span style="margin-left: 50px;"><input type="checkbox"/> GOP application/revision (submitted or under APD review)</span>
<input checked="" type="checkbox"/> N/A <span style="margin-left: 50px;"><input type="checkbox"/> SOP application/revision (submitted or under APD review)</span>
<b>III. Fee Information</b> <i>(See Section VII. for address to send fee or go to <a href="http://www.tceq.texas.gov/epay">www.tceq.texas.gov/epay</a> to pay online.)</i>
A. Fee Requirements
Is a fee required per Title 30 TAC § 106.50? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>
If "NO," specify the exception. There are three exceptions to paying a PBR fee. <i>(check all that apply)</i>
1. Registration is solely to establish a federally enforceable emission limit. <span style="float: right;"><input type="checkbox"/></span>
2. Registration is within six months of an initial PBR review, and it is addressing deficiencies, administrative changes, or other allowed changes. <span style="float: right;"><input type="checkbox"/></span>
3. Registration is for a remediation project (30 TAC § 106.533). <span style="float: right;"><input type="checkbox"/></span>
B. Fee Amount
1. A \$100 fee is required if <i>any</i> of the answers in III.B.1 are "YES."
This business has less than 100 employees. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>
This business has less than \$6 million dollars in annual gross receipts. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>
This registration is submitted by a governmental entity with a population of less than 10,000. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>
This registration is submitted by a non-profit organization. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>

**Certification and Registration for Permits by Rule**  
**Form PI-7-CERT**  
**Page 5**  
**Texas Commission on Environmental Quality**

<b>III. Fee Information</b> (See Section VII. for address to send fee or go to <a href="http://www.tceq.texas.gov/epay">www.tceq.texas.gov/epay</a> to pay online.) (continued)	
2. A \$450 fee is required for all other registrations	
A. Payment Information	
Check/money order/transaction or voucher number:	
Individual or company name on check:	
Fee Amount: \$450.00	
Was the fee paid online? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
<b>IV. Technical Information Including State and Federal Regulatory Requirements</b> <b>Check the appropriate box to indicate what is included in your submittal.</b> <b>NOTE:</b> Any technical or essential information needed to confirm that facilities are meeting the requirements of the PBR must be provided. Not providing key information could result in a deficiency of the project.	
A. PBR requirements (Checklists are optional; however, your review will go faster if you provide applicable checklists.)	
Did you demonstrate that the general requirements in 30 TAC § 106.4 are met? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
Did you demonstrate that the individual requirements of the specific PBR are met? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
B. Confidential Information Included (If confidential information is submitted with this registration, all confidential pages must be properly marked "CONFIDENTIAL.") <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
C. Process Flow Diagram: <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>	
D. Process Description: <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
E. Maximum Emissions Data and Calculations: <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
<b>Note:</b> If the facilities listed in this registration are subject to the Mass Emissions Cap & Trade program under <b>30 TAC Chapter 101, Subchapter H, Division 3</b> , the owner/operator of these facilities must possess NO <sub>x</sub> allowances equivalent to the actual NO <sub>x</sub> emissions from these facilities.	
F. Is this certification being submitted to certify the emissions for the entire site? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>	
If "NO," include a summary of the specific facilities and emissions being certified.	
G. Table 1(a) (Form 10153) Emission Point Summary: <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
H. Distances from Property Line and Nearest Off-Property Structure	
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

**Certification and Registration for Permits by Rule**  
**Form PI-7-CERT**  
**Page 6**  
**Texas Commission on Environmental Quality**

**IV. Technical Information Including State and Federal Regulatory Requirements**

**Check the appropriate box to indicate what is included in your submittal.**

**NOTE:** Any technical or essential information needed to confirm that facilities are meeting the requirements of the PBR must be provided. Not providing key information could result in a deficiency of the project.

**I. Project Status**

Has the company implemented the project or waiting on a response from TCEQ? ☒ Implemented ☐ Waiting

**J. Projected Start of Construction and Projected Start of Operation Dates:**

Projected Start of Construction (provide date):

Projected Start of Operation (provide date):

**V. Delinquent Fees**

This form **will not be processed** until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ is paid in accordance with the Delinquent Fee and Penalty Protocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ website at: [www.tceq.texas.gov/agency/financial/fees/delin/index.html](http://www.tceq.texas.gov/agency/financial/fees/delin/index.html).

**VI. Signature For Registration and Certification**

The signature below confirms that I have knowledge of the facts included in this application and that these facts are true and correct to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project for which this application is made will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7; the Texas Health and Safety Code, Chapter 382, the Texas Clean Air Act (TCAA); the air quality rules of the Texas Commission on Environmental Quality; or any local governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I understand my signature indicates that this application meets all applicable nonattainment, prevention of significant deterioration, or major source of hazardous air pollutant permitting requirements. The signature further signifies awareness that intentionally or knowingly making or causing to be made false material statements or representations in the application is a criminal offense subject to criminal penalties.

Name (printed): Connie Weber

Signature (original signature required)

Date:

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

**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 MC 161, 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	Originals Form PI-7-CERT, Core Data Form, and all attachments. Not required if using ePermits <sup>1</sup> .
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-CERT, and Core Data Form. Not required if fee was paid using ePay <sup>2</sup> .
Appropriate TCEQ Regional Office	To find your Regional Office address, go to the TCEQ website at <a href="http://www.tceq.texas.gov/agency/directory/region">www.tceq.texas.gov/agency/directory/region</a> , or call (512) 239-1250.	Copy of Form PI-7-CERT, Core Data Form, and all attachments. Not required if using ePermits <sup>1</sup>
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD website at <a href="http://www.tceq.texas.gov/permitting/air/local_programs.html">www.tceq.texas.gov/permitting/air/local_programs.html</a> , or call (512)-239-1250	Copy of Form PI-7-CERT, Core Data Form, and all attachments.

<sup>1</sup> ePermits located at [www3.tceq.texas.gov/steers/](http://www3.tceq.texas.gov/steers/)

<sup>2</sup> ePay located at [www.tceq.texas.gov/epay](http://www.tceq.texas.gov/epay)

**Texas Commission on Environmental Quality**  
**Table 1(a) Emission Point Summary**  
**Air Contaminant Data (Page 1)**

<b>Date:</b>	Mar-23
<b>Permit No.:</b>	20173
<b>Regulated Entity No.:</b>	RN102881588
<b>Area Name:</b>	Chevron Phillips Chemical Company LP, Port Arthur Bulk Loading and Transfer Facility
<b>Customer Reference No.:</b>	CN600303614

Review of applications and issuance of permits will be expedited by supplying all necessary information requested on the Table.

EPN	FIN	Name	Component or Air Contaminant Name	Air Contaminant Emission Rate lb/hr	Air Contaminant Emission Rate TPY
FUG-1	N/A	Fugitives	VOC	<0.01	0.01

**Includes emissions from projects in this submittal only.**

TCEQ - 10153 (APDG 5178v7, revised 06/19) Table 1(a)

This form is for use by sources subject to air quality permit requirements and may be revised periodically.

**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 website at: [www.tceq.texas.gov/permitting/air/nav/air\\_pbr.html](http://www.tceq.texas.gov/permitting/air/nav/air_pbr.html).

1. 30 TAC § 106.4(a)(1) and (4): Emission Limits	Answer
List emissions in tpy for <b>each</b> facility (add additional pages or table if needed):	
Are the SO <sub>2</sub> , PM <sub>10</sub> , VOC, or other air contaminant emissions claimed for <b>each</b> facility in this PBR submittal less than 25 tpy?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Are the NO <sub>x</sub> and CO emissions claimed for each facility in this PBR submittal less than 250 tpy?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If the answer to both is "Yes," continue to the question below. If the answer to either question is "No," a <b>PBR cannot be claimed</b>.</i>	
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
<i>If "Yes," skip to Section 2. If "No," continue to the questions below.</i>	
If the site has had no public notice, please answer the following:	
Are the SO <sub>2</sub> , PM <sub>10</sub> , VOC, or other emissions claimed for <b>all</b> facilities in this PBR submittal less than 25 tpy?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Are the NO <sub>x</sub> and CO emissions claimed for all facilities in this PBR submittal less than 250 tpy?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If the answer to both questions is "Yes," continue to Section 2.</i>	
<i>If the answer to either question is "No," a <b>PBR cannot be claimed</b>. A permit will be required under Chapter 116.</i>	



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

2. <b>30 TAC § 106.4(a)(2): Nonattainment Check</b>	Answer
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
<i>If "Yes," please indicate which county by checking the appropriate box to the right.</i>	
(Moderate) - Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller counties:	<input type="checkbox"/> HGB
(Moderate) - Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise counties:	<input type="checkbox"/> DFW
<i>If "Yes," to any of the above, continue to the next question. If "No," continue to Section 3.</i>	
Does this project trigger a nonattainment review?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Is the project's potential to emit (PTE) for emissions of VOC or NO <sub>x</sub> increasing by 100 tpy or more?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<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, rules, or made federally enforceable by a certification.</i>	
Is the site an existing major nonattainment site and are the emissions of VOC or NO <sub>x</sub> increasing by 40 tpy or more?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If needed, attach contemporaneous netting calculations per nonattainment guidance.</i>	
Additional information can be found at: <a href="http://www.tceq.texas.gov/permitting/air/forms/newsource/tables/nsr_table8.html">www.tceq.texas.gov/permitting/air/forms/newsource/tables/nsr_table8.html</a> and <a href="http://www.tceq.texas.gov/permitting/air/nav/air_docs_newsource.html">www.tceq.texas.gov/permitting/air/nav/air_docs_newsource.html</a>	
<i>If "Yes," to any of the above, the project is a major source or a major modification and a <b>PBR may not be used</b>. A Nonattainment Permit review must be completed to authorize this project. If "No," continue to Section 3.</i>	
3. <b>30 TAC § 106.4(a)(3): Prevention of Significant Deterioration (PSD) check</b>	
Does this project trigger a review under PSD rules?	
To determine the answer, review the information below:	
Are emissions of any regulated criteria pollutant increasing by 100 tpy of any criteria pollutant at a named source?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Are emissions of any criteria pollutant increasing by 250 tpy of any criteria pollutant at an unnamed source?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Are emissions increasing above significance levels at an existing major site?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
PSD information can be found at: <a href="http://www.tceq.texas.gov/assets/public/permitting/air/Forms/NewSourceReview/Tables/10173tbl.pdf">www.tceq.texas.gov/assets/public/permitting/air/Forms/NewSourceReview/Tables/10173tbl.pdf</a> and <a href="http://www.tceq.texas.gov/permitting/air/nav/air_docs_newsource.html">www.tceq.texas.gov/permitting/air/nav/air_docs_newsource.html</a>	
<i>If "Yes," to any of the above, a <b>PBR may not be used</b>. A PSD Permit review must be completed to authorize the project.</i>	
<i>If "No," continue to Section 4.</i>	

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

4. <b>30 TAC § 106.4(a)(6): Federal Requirements</b>	Answer
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)?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA
If "Yes," which Subparts are applicable? ( <i>answer below.</i> )	
Will all facilities under this PBR meet applicable requirements of 40 CFR Part 63, Hazardous Air Pollutants Maximum Achievable Control Technology (MACT) standards?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA
If "Yes," which Subparts are applicable? ( <i>answer below.</i> )	
Will all facilities under this PBR meet applicable requirements of 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAPs)?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA
If "Yes," which Subparts are applicable? ( <i>answer below.</i> )	
Subparts V	
<i>If "Yes" to any of the above, please attach a discussion of how the facilities will meet any applicable standards.</i>	
5. <b>30 TAC § 106.4(a)(7): PBR prohibition check</b>	
Are there any air permits at the site containing conditions which prohibit or restrict the use of PBRs?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<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.</i>	
List permit number(s):	
6. <b>30 TAC § 106.4(a)(8): NO<sub>x</sub> Cap and Trade</b>	
Is the facility located in Harris, Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If "Yes," answer the question below.</i>	
<i>If "No," continue to Section 7.</i>	
Will the proposed facility or group of facilities obtain required allowances for NO <sub>x</sub> 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 type="checkbox"/> NO

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

<b>7. Highly Reactive Volatile Organic Compounds (HRVOC) check</b>		
Is the facility located in Harris County?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<i>If "Yes," answer the next question. If "No," skip to the box below.</i>		
Will the project be constructed after June 1, 2006?	<input type="checkbox"/> YES <input type="checkbox"/> NO	
<i>If "Yes," answer the next question.</i>		
<i>If "No," skip to the box below.</i>		
Will one or more of the following HRVOC be emitted as a part of this project?	<input type="checkbox"/> YES <input type="checkbox"/> NO	
<i>If "Yes," complete the information below:</i>		
<b>Information</b>	<b>lb/hr</b>	<b>tpy</b>
▶ 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		
Is the facility located in Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<i>If "Yes," answer the next question. If "No," the checklist is complete.</i>		
Will the project be constructed after June 1, 2006?	<input type="checkbox"/> YES <input type="checkbox"/> NO	
<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?	<input type="checkbox"/> YES <input type="checkbox"/> NO	
<i>If "Yes," complete the information below:</i>		
<b>Information</b>	<b>lb/hr</b>	<b>tpy</b>
▶ ethylene		
▶ propylene		

### 3. PROCESS AND PROJECT DESCRIPTION

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#### 3.1 BULK LOADING AND TRANSFER FACILITY

Chevron Phillips operates the Port Arthur Dock Facility which consists of a barge dock and an unattached terminal that are connected by approximately 1,600 feet of pipeline. The facility is used to receive and marine load materials by barge. The facility consists of a barge dock, storage tanks, firewater pumps, diesel storage tanks, flare, and associated piping equipment.

#### 3.2 PROJECT DESCRIPTION

**MOC-22-5282 - Adding valves and connectors/flanges to piping system**

Valves and associated connectors/flanges have been added in order install a secondary check valve off pump P-5 as an added measure to prevent a backflow scenario into tanks 101 and 102 (PP Mix Storage Tanks). This project will not increase throughput.

**MOC-22-5517 - Adding valves and connectors/flanges to piping system**

Valves and associated connectors/flanges have been added in order install redundant level instrumentation for tanks 101 and 102 (PP Mix Storage Tanks). This project will not increase throughput.

#### **4. PLOT PLAN AND AREA MAP**

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**PLOT PLAN**

**AREA MAP**





Port Arthur Terminal  
Chevron Phillips Chemical Company  
Port Arthur, Jefferson County, Texas



Figure 3-1  
Area Map

## 5. EMISSION CALCULATIONS

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Fugitive emissions are calculated using the methodology described in the TCEQ document *Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives*, June 2018. Fugitive emissions are estimated using the appropriate fugitive emission factors for SOCMI units based on the ethylene concentrations of the material in contact with the fugitive components. Chevron Phillips executes leak detection and repair (LDAR) programs meeting the requirements of the TCEQ's 28 VHP program. Therefore, appropriate control efficiencies are applied.

To demonstrate compliance with §106.261, depending on the applicable requirement, the total new VOC emission rates in lb/hr and tpy were then compared to the 6.0 lb/hr and 10 tons/yr specified in §106.261(a)(2) or 1.0 lb/hr specified in §106.261(a)(3).



Emission calculations are included in the confidential section of this application.