TECHNICAL REVIEW: AIR PERMIT BY RULE

Permit No.:	165952	***Company Name:***	Phillips 66 Company	***APD Reviewer:***	Guillermo Reyes, P.E.
Project No.:	331326	***Unit Name:***	Sweeny Refinery and Petrochemical Complex	***PBR No(s).:***	106.261

GENERAL INFORMATION			
Regulated Entity No.:	RN101619179	**Project Type:**	Permit by Rule Application
Customer Reference No.:	CN604065912	**Date Received by TCEQ:**	July 20, 2021
City/County:	Old Ocean, Brazoria County	**Date Received by Reviewer:**	July 21, 2021
Physical Location:	8189 Old Fm 524		

CONTACT INFORMATION					
Responsible Official/ Primary Contact Name and Title:	Vinod Jaini/ Principal Environmental Consultant	**Phone No.: Fax No.:**	(979) 491-2365	**Email:**	VINOD.K.JAINI@P66.COM
Technical Contact/ Consultant Name and Title:	Vinod Jaini/ Principal Environmental Consultant	**Phone No.: Fax No.:**	(979) 491-2365	**Email:**	VINOD.K.JAINI@P66.COM

GENERAL RULES CHECK	**YES**	**NO**	**COMMENTS**
Is confidential information included in the application?		X	
Has the PBR fee been paid?	X		Application fee: 520322 / 582EA000440547
Is this registration certified?	X		A PI-7 Cert was submitted.
Is this an APWL site?		X	
Are there any upstream or downstream affects associated with this registration?		X	Vapors generated during loading of the iso-containers will be routed to the refinery's flare recovery system where vapors are recovered and re-routed back to the process. Phillips 66 represents that the vapors generated during loading of the iso-containers will not be burned in the flare.
Is planned MSS included in the registration?		X	MSS for the site is authorized by NSR permit No. 80806
Are there affected NSR or Title V authorizations for the project?	X		If yes, what is the number(s): NSR permit No. 49140 / Title V permit No. O1626
Is each PBR > 25/250 tpy?		X	
Are PBR sitewide emissions > 25/250 tpy?	NA		
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	
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

Phillips 66 Company (Phillips 66) owns and operates the Sweeny Refinery and Petrochemical Complex in Old Ocean, Brazoria County. The Sweeny Refinery and Petrochemical Complex operates under various NSR permits. NSR permit No. 49140 is affected by this project.

DESCRIBE PROJECT AND INVOLVED PROCESS

Phillips 66 submitted a certified PBR application to authorize the loading of iso-containers with isopentane and hexane. Vapors generated during loading of the iso-containers will be routed to the refinery's flare recovery system where vapors from various operations are recovered and re-routed back to the process. Phillips 66 represents that the vapors generated during loading of the iso-containers will not be burned in the flare.

This project will authorize fugitive components associated with the iso-containers loading operation. Phillips 66 represents that only one product will be loaded at a time.

TECHNICAL SUMMARY - DESCRIBE HOW THE PROJECT MEETS THE RULES

PBR 106.261 Compliance Demonstration

- The emission point(s) associated with the facilities or changes to facilities are located at least 100 ft from the nearest off-site receptor.
- The total new or increase emissions will comply with the applicable hourly and annual emission limits as represented in the table below.
- There are no changes to or addition of any pollution abatement equipment.
- Visible emissions to the atmosphere, from any point or fugitive source, do not exceed 5.0 percent opacity in any six-minute period.
- This registration is not for authorization for construction or to change a facility authorized under another section of this chapter or under standard permit.
- The General Facilities 261/262 Workbook was submitted with this application.

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PBR 106.261(3)				
	Emission Limit		**Actual Emissions**	
Air Contaminant	**lb/hr**	**tpy**	**lb/hr**	**tpy**
Hexane (TWA value: 1760)	1.00	4.38	0.085	0.40
isopentane	1.00	4.38	0.085	0.40
		TOTAL EMISSIONS:	**0.085**	**0.80**

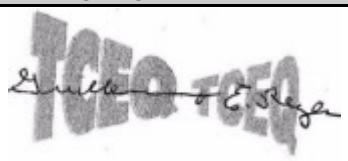
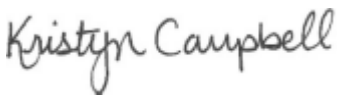
Phillips 66 represents that only one product will be loaded at a time.

ESTIMATED EMISSIONS														
EPN / Emission Source	**VOC**		**NOx**		**CO**		**PM_{10}**		**$PM_{2.5}$**		**SO_2**		**Other**	
	lbs/hr	**tpy**	**lbs/hr**	**tpy**	**lbs/hr**	**tpy**	**lbs/hr**	**tpy**	**lbs/hr**	**tpy**	**lbs/hr**	**tpy**	**lbs/hr**	**tpy**
86-0-0/ Tank truck Loading Fugitives	0.09	0.80												
TOTAL EMISSIONS (TPY):		**0.80**												

MAXIMUM OPERATING SCHEDULE:	**Hours/Day**		**Days/Week**		**Weeks/Year**		**Hours/Year**	8,760

SITE REVIEW/DISTANCE LIMIT	**Y**	**N**	**Description/Outcome**	**Date**	**Reviewed by**
Site Review Required?		X	No site review required	7/27/2021	Guillermo E. Reyes
PBR Distance Limits Met?	X		PBR distance limits met		

Compliance History Evaluation - 30 TAC Chapter 60 Rules	
A compliance history report was reviewed on:	**July 27, 2021**
Site rating & classification:	**3.98 / Satisfactory**
Company rating & classification:	**6.33 / Satisfactory**
If site was rated unsatisfactory, what action(s) occurred as a result:	**NA**

	TECHNICAL REVIEWER	**PEER REVIEWER**	**FINAL REVIEWER**
SIGNATURE:			
PRINTED NAME:	Mr. Guillermo E. Reyes, P.E.	Ms. Amber Ni	Ms. Kristyn Campbell, Manager
DATE:	July 28, 2021	July 28, 2021	July 29, 2021