

TECHNICAL REVIEW: SCREENING

Permit No.:	47023	Company Name:	Hilcorp Energy Company	APD Reviewer:	Mr. James Nolan
Project No.:	246575	Unit Name:	Federal Gayette Lease Tank Battery	PBR No.:	106.492, 106.352(l) (2012-NOV-22), 106.359

GENERAL INFORMATION			
Regulated Entity No.:	RN102527579	Project Type:	Permit by Rule Application
Customer Reference No.:	CN600125991	Date Received by TCEQ:	January 4, 2016
Account No.:	GB-0577-F	Date Received by Reviewer:	February 5, 2016
City/County:	Alta Loma, Galveston County	Physical Location:	from hwy 6 in alta loma tx travel east for approximately 1.5 miles and turn left on jack brooks road. travel north on jack brooks road approximately 1.5 miles to facility on left.

CONTACT INFORMATION			
Responsible Official/ Primary Contact Name and Title:	Mr. Matt Vicenik Environmental Manager	Phone No.: (713) 289-2951 Fax No.: (713) 289-2750	Email: MVICENIK@HILCORP.COM
Technical Contact/ Consultant Name and Title:	Mr. Kyle Brzymialkiewicz Client Guardian	Phone No.: (281) 610-0164 Fax No.: (281) 484-6201	Email: KYLE@SAGEENVIRONMENTAL.COM

INITIAL SCREENING	
<p>Hilcorp is installing a flare (FIN: FLARE) to control the vapors from four (4) 210 barrel (bbl) crude oil storage tanks, (FTNs: T1, T2, T3 & T4) and two (2) 300 bbl produced water storage tanks (FINs: T5 & T6). The control device is being voluntarily installed for the exclusive purpose of generating Emission Reduction Credits (ERCs) from the site.</p> <p>The Gayette facility is an oil production facility that produces hydrocarbons from crude oil reservoirs through deep wells. The oil and produced saltwater are separated at the surface. Oil and the produced water are routed to on-site storage tanks for storage; oil is hauled offsite by tank truck for sales and produced water is routed to a saltwater disposal well. The production rate of the facility is as follows:</p> <ul style="list-style-type: none"> • 37 bbls of crude oil per day • 150 bbls of produced water per day <p>Vapors from the crude oil and produced water storage tanks will be vented to a continuously burning flare for controlling emissions. The flare's pilot will be fueled by either natural gas or propane stored on-site. For conservative purposes only emissions associated with the emission limits represented in this application, it is assumed that the pilot will operate exclusively on propane.</p>	

Estimated Emissions

EPN	FIN	Equipment Description	Calculation Basis	VOC	VOC	NO _x	NO _x	CO	CO
				lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
FLARE	T1	210 bbl Crude Oil Storage Tank	Tanks 4.09D & GOR	0.04	0.09	-	-	-	-
FLARE	T2	210 bbl Crude Oil Storage Tank	Tanks 4.09D & GOR	0.04	0.09	-	-	-	-
FLARE	T3	210 bbl Crude Oil Storage Tank	Tanks 4.09D & GOR	0.04	0.09	-	-	-	-
FLARE	T4	210 bbl Crude Oil Storage Tank	Tanks 4.09D & GOR	0.04	0.09	-	-	-	-
FLARE	T5	300 bbl Produced Water Storage Tank	Tanks 4.09D & GOR	0.01	0.01	-	-	-	-
FLARE	T6	300 bbl Produced Water Storage Tank	Tanks 4.09D & GOR	0.01	0.01	-	-	-	-
FLARE	FLARE	Process Flare Pilot Gas	TCEQ Guidance RG-109 Nonassisted	0.24	1.07	0.03	0.13	0.06	0.25
TRUCKLOAD	TRUCKLOAD	Truckloading	AP-42	5.91	0.14	-	-	-	-
FUGITIVES	FUGITIVES	Site-Wide Fugitives	TCEQ Oil & Gas Fugitive Emission Factors	0.20	0.87	-	-	-	-
MSS	MSS	Site-Wide MSS Emissions	TCEQ Oil & Gas Emissions Spreadsheet	0.03	0.14	-	-	-	-
Total:					2.61		0.13		0.25

Notes:

(1) No sulfur containing products will be handled or produced at this site.

Sweet	X	Sour		ppm (sour site only)	N/A	¼ mile ? (sour site only)	N/A
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Noted Highlights From Project	Yes	No	N/A	Comments
Are emissions certified?	X			
Are Calculations for Each EPN provided?	X			
Storage Tanks: Are VOC emissions from <u>each</u> tank < 6 tpy?	X			
MSS: Are emissions included?	X			
Federal/State Rule Applicability Represented or Acknowledged	Yes	No	N/A	Comments
Chapter 115			X	
NSPS OOOO		X		Tanks were installed prior to the applicability date.
Other:				

COMMENTS & SCOPE OF REVIEW

NOTE S	Permit reviewer has reviewed the application and has found no outstanding issues that would prohibit the project from meeting all applicable rules and regulations.	DEFICIENT ITEMS	
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