

TECHNICAL REVIEW: Oil and Gas Checklist

Permit No.:	176465	Company Name:	Gulftex Energy, LLC	APD Reviewer:	Ms. Amanda Andrews
Project No.:	374444	Unit Name:	Franklin Home A1h B2h C3h D4h	PBR No(s).:	106.492, 106.352 2012-NOV-22

GENERAL INFORMATION			
Regulated Entity No.:	RN111861324	Date Received by TCEQ:	May 28, 2024
Customer Reference No.:	CN605694017	Date Received by Reviewer:	May 29, 2024
City/County:	Tilden, McMullen County	Physical Location:	from tilden travel north on hwy 16 for 13 miles take a left on countiss rd. go 1/4 mile to lease entrance on left.

CONTACT INFORMATION					
Responsible Official/ Primary Contact Name and Title:	James Fischer Director ESG	Phone No.:	(210) 396-7528	Email:	JFISCHER@GULFTEXEN ERGY.COM
Technical Contact/ Consultant Name and Title:	Jennifer Sinopoli PE Environmental Engineer	Phone No.:	(512) 590-9706	Email:	JSINOPOLI@HAYESENVI RONMENTAL.COM

GENERAL PROJECT INFORMATION	YES	NO	COMMENTS
Is confidential information included in the application?		X	
Are there affected NSR or Title V permits for the project?		X	
Are there permit limits on using PBRs at the site?		X	
Is PSD or Nonattainment netting required?		X	
Has the fee been paid?	X		Receipt number 582EA000611783; Reference 707017
Was an impacts evaluation required for the project?		X	
Have MSS emissions been accounted for in site-wide totals?		X	Claimed under 106.359.
Site Specific Analysis used?	X		
Are all vents ≥ 20 ft, and meet 352(l)(4) as applicable?	X		For sour sites provide specific vent height(s) <u>20</u> ft

Compliance History Evaluation - 30 TAC Chapter 60 Rules	
A compliance history report was reviewed on:	June 6, 2024
Site rating & classification:	N/A
Company rating & classification:	0.00 / High

PROJECT RULES	How was rule compliance demonstrated? (i.e., checklist, rule language, etc.)
106.352	Compliance demonstrated through rule applicability and how the project meets each part.
106.492	Compliance demonstrated through rule applicability and how the project meets each part.

DESCRIBE THE OVERALL PROCESS AT THE SITE
Produced fluids enter the site and flow through production separators to separate the oil, water, and gas. The crude oil flows to a vapor recovery tower (VRT) where the oil is flashed and then onto four 605-bbl crude oil storage tanks. Water is sent to four 605-bbl water tanks. Both oil and produced water leave the site via tanker truck. A vapor recovery unit and a flare control the emissions from the tank battery. The emissions from the loading operations are vapor balanced and sent back to the tank battery to also be controlled by the flare. The produced gas is sent off site for further processing. Fugitive emissions from valves, connectors, etc. are represented by EPN FUG.

DESCRIBE THE PROJECT
On behalf of GulfTex Energy, LLC, has submitted form PI-7-CERT and supporting documentation to authorize the Franklin Home A#1H B#2H C#3H & D#4H located in Tilden, McMullen County, Texas. Equipment at the site consists of production separators, four 605-bbl crude oil storage tanks, four 605-bbl produced water tanks, a flare, a heater treater, a vapor recovery tower, a vapor recovery unit, loading, and process fugitives.

FEDERAL STANDARDS APPLICABILITY			
Applicable Rule(s):	Y	NA	Explanation of how it meets (if applicable), or why it isn't applicable:

TECHNICAL REVIEW: Oil and Gas Checklist

Permit No.:	176465	Company Name:	GulfTex Energy, LLC	APD Reviewer:	Ms. Amanda Andrews
Project No.:	374444	Unit Name:	Franklin Home A1h B2h C3h D4h	PBR No(s).:	106.492, 106.352 2012-NOV-22

NSPS Subpart OOOOb	X		The Site is subject to fugitive monitoring requirements under Subpart OOOOb. GulfTex Energy, LLC will comply with all applicable operational, recordkeeping, and reporting requirements. Total storage vessel emissions at the Site are less than 6 TPY VOC and 20 TPY methane; therefore, the requirements of Subpart OOOOb are not applicable. Company has submitted LPE-CERT for the facility.
--------------------	---	--	---

SITE INFORMATION		
What is the Natural Gas Throughput?	2.5	MMSCF/day
What is the Oil/Condensate Throughput?	3398.27	bbl/day
What is the Produced Water Throughput?	3445.85	bbl/day
Site specific H2S content of inlet gas (ppm)	Up to 6000	ppm
If sour, provide distance (ft.) to nearest off property receptor.	>1320	ft.

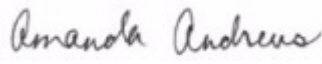
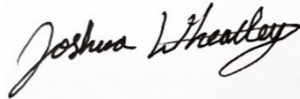
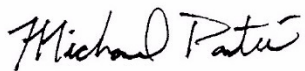
FACILITY INFORMATION		
Equipment:	# of each	Calculation Methodology
Storage Tanks	8	There are four 605-bbl oil storage tanks and four 605-bbl produced water storage tanks. The Gas to Oil Ratio (GOR) and AP-42 Chapter 7 equations (dated 11/2019) were used to calculate emissions from the storage tanks
Heater Treaters	1	AP-42
Flares / Combustion Control Devices	1	AP-42
VRUs	1	
Separators	Y	
Truck Loading	Y	Truck loading emission rates are calculated using the loading loss factor equation from AP-42 Section 5.2, dated January 1995
Fugitives	Y	TCEQ technical guidance document for "Equipment Fugitive Leaks" dated June 2018

CONTROL DEVICE(S)				
VRU	Runtime:	95%	Controls what?	The emissions from the tank battery are controlled by the flare.
	Capture Efficiency:	95%		
Flare	Destruction Efficiency:	98%	Controls what?	A flare is used to control emissions from the storage tanks and may also be used during emergency events.

ESTIMATED EMISSIONS														
EPN / Emission Source	VOC		NOx		CO		PM _{2.5} / PM ₁₀		SO ₂		H ₂ S		HAPs	
	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
FL-1 / Flare (Includes Tank Battery + Loading)	0.99	4.36	0.16	0.71	0.65	2.85	<0.01	<0.01	12.84	1.79	<0.01	0.01	0.03	0.15
FUG / Fugitives	2.29	7.75									<0.01	0.04	0.23	1.01
LOAD-OIL / Oil Loading	0.95	2.98									<0.01	0.02	0.05	0.15
OAD-H2O / Water Loading	0.44	1.40									<0.01	0.01	0.02	0.07
HEATER-1 / Horizontal Heater Treater	<0.01	0.02	0.07	0.31	0.06	0.26	<0.01	0.02	0.03	0.13	<0.01		<0.01	<0.01
TOTAL EMISSIONS (TPY):		16.51		1.02		3.11		0.02		1.92		0.08		1.38
MAXIMUM OPERATING SCHEDULE:	Hours/Day		24	Days/Week		7	Weeks/Year		52	Hours/Year		8760		

TECHNICAL REVIEW: Oil and Gas Checklist

Permit No.:	176465	Company Name:	Gulftex Energy, LLC	APD Reviewer:	Ms. Amanda Andrews
Project No.:	374444	Unit Name:	Franklin Home A1h B2h C3h D4h	PBR No(s).:	106.492, 106.352 2012-NOV-22

	TECHNICAL REVIEWER	PEER REVIEWER	FINAL REVIEWER
SIGNATURE:			
PRINTED NAME:	Amanda Andrews	Joshua Wheatley	Michael Partee, Manager
DATE:	June 14, 2024	June 14, 2024	June 14, 2024