

Analysis of Venture Global Semi Annual Monitoring Reports

In its first year of operations, Venture Global's Calcasieu Pass facility in Cameron Parish had over 2,000 permit violations. Instead of solving the operational problems causing these accidents, Venture Global is asking the Louisiana Department of Environmental Quality (LDEQ) for emissions increases to cover the violations.

The following analysis of these reports was conducted by John Alliare, Mr. Allaire lives next door to Venture Global's Calcasieu Pass (VGCP) facility. He worked as an environmental engineer for BP / Amoco for over 30 years.

On March 17, 2023 Venture Global Calcasieu Pass (VGCP) requested that the Louisiana Department of Environmental Quality grant a major modification to its current Air Permit #0560-00987-V-4. Venture Global is also requesting that the LDEQ grant air permits for an expansion of the Calcasieu Pass terminal and a terminal in Plaquemines Parish, Louisiana. Both of these plants are of similar design to the existing VGCP facility which has been in operation since January of 2022. Venture Global's permit application for its Plaquemines facility says that the facility would be "technologically identical" to VGCP.

VGCP Air Permit Compliance History: This information was obtained from the VGCP certified 2022 semi-annual Title V permit monitoring reports that were submitted to the LDEQ on March 30, 2023. VGCP recorded over 2,000 deviations from 17 separate emission sources at its facility. Each of these deviations represents a release of pollutants that exceeds the limits set in their air permit. Each of these exceedances can be considered a permit violation for enforcement purposes. These reports reveal numerous cases of specific pieces of equipment exceeding permit limits for multiple pollutants throughout the course of 2022. Additionally, as detailed in the reports by VGCP, many of these permit exceedances occurred over multiple consecutive days. In total, out of 343 days of operation last year the facility was in violation of their permit for 286 days, meaning they were only in compliance for 17% of their time in operation last year.

Examples as follows:

Emission Source EQT 0008 was out of compliance from January 22, 2022 until June 14, 2022 for carbon monoxide, volatile organic compounds, Hazardous Air Pollutants and Toxic Air Pollutants. Over this 143 day period Venture Global knew it was violating its permit limits but continued to operate.

Emission Source EQT 0007 was out of compliance for over 120 days in 2022 exceeding permit limits for VOCs, NOx, CO, sulfur dioxide, and particulate matter.



There were 15 additional emission sources that had multiple permit exceedances during 2022. There were 32 separate occurrences in 2022 when VGCP continued to operate for more than 10 consecutive days with an emission source operating out of compliance with its permit. VGCP reports detail that of the 343 days they were operating in 2022, they were out of compliance with their air permit 286 of those days. The 2022 violations averaged 168 violations a month for 2023. VGCP facility was in compliance with their air permit 17% of the days in 2022.

As an excuse for noncompliance VGCP's deviation report repeatedly states the following (pp. 1 of Revised 1st Semiannual Monitoring report dated 01/01-6/31/2022): "As described in a letter dated February 5, 2022, the hot oil heaters are a designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of CP. The outages were caused primarily (but not exclusively) by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which caused the hot oil heater to trip."

What Venture Global is stating is that it selected and approved this design for installation. The company installed said design. It was a bad choice of design but the company will continue to operate the equipment while knowingly exceeding permit limits. How is it "beyond the control of CP?" It could shut down and then reengineer and install equipment that would operate as permitted.

The fact is that in 2022, VGCP has continued to operate out of compliance so that it could ship 128 cargoes of liquified gas to the highest overseas bidders and maximize profits at the expense of Louisiana's air quality.

Permit modifications requested: VGCP is requesting the following major modifications to its air permit to release additional pollutants, These changes include:

- Permission to increase flaring hours from current permit of 60 hours per year to 500 hours per year. This is an 833% increase.
- Permission to increase overall air emissions of pollutants by 680,883 tons per year from 3.9 million tons per year to 4.6 million tons per year. This is a 17% increase in toxic, hazardous, teratogenic, mutagenic or carcinogenic pollutants.
- A 17% increase of carbon dioxide for a total of 4.6 million tons per year.
- A 132% increase of an additional 115.44 tons per year mixture of undefined volatile organic compounds, hazardous air pollutants and toxic air pollutants for a total release of 202.61 tons per year.

Venture Global Calcasieu Pass LNG:

1st Semiannual Monitoring Report Annotated Copy (01/01/-06/30/2022)

Annotations on pages 1, 6-11, 18 Original version can be found <u>here</u> Every industrial facility with an air permit is required to release a Semiannual Monitoring report detailing each violation of their permit limits over the given time period. Reports for the first half of the year are due September 30, and on March 31 of the following year for the second half.



2023 MAR

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March 30, 2023

Title V Program Office of Environmental Compliance Enforcement Division P.O. Box 4312 Baton Rouge, LA 70821-4312



MAR 3 1 2023 ORIGINAL ENFORCEMENT DIVISION

E: Revised 1st Half of Reporting Year 2022 Title V Semiannual Monitoring Report
Reporting Period: 01/01/2022 - 06/30/2022

Venture Global Calcasieu Pass, LLC and TransCameron Pipeline, LLC Calcasieu Pass Project

Title V Permit Number: 0560-00987-V4 Agency Interest Number: 194203

Dear Sir or Madam,

Venture Global Calcasieu Pass, LLC and TransCameron Pipeline, LLC (Calcasieu Pass), a wholly owned subsidiary of Venture Global LNG, Inc., operates the natural gas liquefaction, storage, and export facilities at a liquefied natural gas terminal on the east side of the Calcasieu Ship Channel in Cameron Parish, Lousiana. The facility is currently authorized under Title V Permit Number 0560-00987-V4 and Prevention of Significant Deterioration (PSD) Permit Number PSD-LA-805(M-4) issued on July 1, 2021 by the Louisiana Department of Environmental Quality (LDEQ).

Calcasieu Pass timely submitted its Title V Semiannual Monitoring Report (Title V SAMR) for the 1st Half of Reporting Year 2022. While preparing the 2nd Half of Reporting Year 2022 Title V SAMR, Calcasieu Pass discovered some of the deviations were incorrectly reported in the 1st Half of Reporting Year 2022 Title V SAMR. Subsequently, Calcasieu Pass conducted a detailed reevaluation of this time period.

Calcasieu Pass is submitting a revised Title V SAMR for the reporting period January 1, 2022 through June 30, 2022 to take the place of the previously submitted report for the same time period. As such, Calcasieu Pass submits herein the revised Title V Semiannual Monitoring Report for Title V Permit Number 0560-00987-V4 for the reporting period January 1, 2022 through June 30, 2022.

Venture Global is operating in Cameron Parish via numerous subsidiaries (11 known)

The prior version of this report noted 32 permit deviations, this one has 75.

Refer to EDMS Document ID 13605970.

The attached Title V SAMR removes some of the prior reported deviations as well as adds additional deviations. The deviations consist primarily of intermittent exceedances of maximum hourly emissions limits (pounds per hour). No exceedances of annual emission limits (tons per year) occurred for any permitted emission source. In addition, Calcasieu Pass complied with the underlying regulatory standard. As described in the attached Title V SAMR, Calcasieu Pass has taken measures to correct any deviations.

Should you have any questions or require additional information, please contact Balaji Ganesan at (419) 508-4623 or at bganesan@venturegloballng.com.

Sincerely,

Andy Vaughan Vice President, Operations

Venture Global Calcasieu Pass, LLC &

TransCameron Pipeline, LLC

Attachment

Title V Semiannual Monitoring Report (01/01/2022 - 06/30/2022)



(Facility Identification)

pplicable Reporting Period:	1/1/22	to	6/30/22
and the second s	mm/dd/yy		mm/dd/yy

Vancous College	C	ompany and Facil	ity Identification		Red Hotel							
Permit Number	0560-00987-V4 Parish CAMERON Date Permit Issued											
Company Name	VENTURE GLOBAI	CALCASIEU	PASS, LLC									
Facility Name	CALCASIEU PASS	CALCASIEU PASS PROJECT Agency Interest Number										
Ma ling Address	516 Davis Road	516 Davis Road										
City	Cameron	State	LA	Zip Code	70631							
Contact Person	Balaji Ganesan	Phone #	Fax#									
Principal Facility Product/Business	LNG											

Certification of Truth, Accuracy,			
I certify, based on information and belie document are true, accurate, and comple		the statements a	nd information in thi
Responsible Official (signature)	Andy Vaughan		
Responsible Official (typed)	Andy Vaughan	Date	29 -MAR-2023
Responsible Official Title	Vice President, Operation	ns	





D Title V Permit Number: 0560-00987-V4	eviation Reportin		AL CALCASIEU PASS, LLC
Facility Name: CALCASIEU PASS PROJE		Al Number:	194203
Question	Response (Yes/No)	NV CONTROL CONTROL AND DESCRIPTION OF THE PARTY OF THE PA	ocen previously reported, please ort and date of the report.
Are there any instances of deviation from permit requirements being reported with this semiannual monitoring report? If yes, and they have not been previously reported, then complete the table entitled "Deviation Summary Report."	Yes	2022 (ED Unauthorized Discha	arge Written Report; Dated July 27, MS Doc ID: 13462522). arge Written Report - OS1481; Dated 22 (EDMS Doc ID 13136388)

^{*} As with all Title V air permit application forms and compliance certifications, deviation reports must contain certification by a responsible official of truth, accuracy, and completeness. Also, any previous deviation reports must contain the information necessary to complete the "Deviation Summary Report" present. Therefore, if these two conditions are not satisfied, then the deviations inappropriately reported before must be appropriately reported in the "Deviation Summary Report."

Only two of seventy-five violations in this report were reported at the time of their occurrence to Louisiana Department of Environmental Quality

This column lists the piece of equipment that emissions are coming from

ouisiana DEQ Title V Semiannual Moni	toring b	orm
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No indication that the underlying design problem is solved

	Title V Permit Number: 0560-00987-V4				Deviat	ion Summ	ary Repo	rt				
Title V Pe	rmit Number:		0560-00987-V4			Comp	any Name	VENTUE	E GLOBAL	CALCASIEU P.	ASS, LLC	
Facility Nam	e:		CALCASIEU PASS PROJECT					d Number:			194203	
Emission Source No./ Hentifier	Pollutant(s)	Permit Condition Number	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviati	on Began	Devia	tion Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
				Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0006	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III 501.C.4]	Records Review	Continuously	4/15/22	2:00 PM	4/15/22	12:00 AM	5 (intermittently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasieu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated NOx max. pounds per hour: 4.90 lb/hr - 4.95 lb/hr	mittention measures to reduce the emissions
EQT 0006.	со	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33-III 501 C 4]	Records Review	Continuously	4/15/22	9:00 AM	5/1/22	3:00 AM	65 (intermittently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasieu Pass since. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated thue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated CO max. pounds per hour: 10.44 lb/hr - 11.05 lb/hr	Calcasieu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mutigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasieu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate.
EQT 0006	PM	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III.501:C.4]	Records Review	Continuously	4/15/22	2:00 PM	\$1/22	3.00 AM	48 (intermittently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasieu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated PM max. pounds per hour 0.96 lb/hr - 1.0 lb/hr	Calcusseu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcusteu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate.
EQT 0006	VOC and HAPs/TAPs	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III 501.C 4]	Records Review	Continuously	4/15/22	2:00 PM	5/1/22	3:00 AM	58 (unconstiently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasieu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated VOC max, pounds per hour, 0.69 lb/hr = 0.72 lb/hr	Calcasieu Pass worked with the manufacturer of the liot off heaters to reptace parts and implemented mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasieu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate.
EQT 0007	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III:501.C.4]	Records Review	Continuously	4/16/22	8:00 PM	4/16/22	12:90 AM	4	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasicu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated NOx max. pounds per hour. 6-12 lb/hr + 6-32 lb/hr	Calcasieu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasieu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate.



						Deviat	ion Summ	ary Repo	rt			
Title V Per	mit Number:		0560-00987-V4			Comp	any Name	VENTUE	E GLOBAL	CALCASIEU P.		
Facility Name	t		CALCASIEU PASS PROJECT				100	Al Number:			194203	
Emission Source No./ Identifier	Pollutant(s)	Permit Condition Number	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviat	ion Began	Devia	tion Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
				Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0007	со	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III 501.C.4]	Records Review	Continuously	2/26/22	5:00 PM	4/28/22	11:00 AM	87 (intermittently)	As described in a letter dated February 5, 2022 (EDMS Document II) 15167131), the hot oil heaters are a custom designed solution for the facility an since unital startup, they have experienced unexpected outages beyond the control of Calcasicu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated CO max. pounds per hour: 10.44 lb/hr - 11.24 lb/hr.	Calcasion Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Documer ID 13730261), Calcasion Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987. V4 to update the maximum hourly emission rate.
EQT 0007	PM	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III 501 C 4]	Records Review	Continuously	4/16/22	8:00 PM	4/28/22	6:00 AM	74 (intermittently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility an since initial startup, they have experienced unexpected outages beyond the control of Calcasieu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated PM max. pounds per hour: 0.96 lb/hr - 1.02 lb/hr	Calcasieu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Documen ID 13730261), Calcasieu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate.
EQT 0007	VOC and HAPs/TAPs	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III.501.C.4]	Records Review	Continuously	4/16/22	8:00 PM	4/28/22	11:00 AM	81 (intermittently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasieu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated thie gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estamated VOC max. pounds per hour: 0.69 lb/hr + 0.74 lb/hr	Calcasieu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Documen ID 13730261), Calcasieu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate.
EQT 0008	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III 501.C 4]	Records Review	Continuously	3/1/22	12:00 PM	6/14/22	6:00 AM	29 (interminently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasieu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated NOx max, pounds per hour, 4.92 lb/hr + 6.76 lb/hr	Calcasieu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Documen ID 13730261), Calcasieu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate.
EQT 0008	со	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III.501.C.4]	Records Review	Continuously	1/22/22	6:00 PM	6/14/22	6:00 AM	212 (intermittently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasieu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated CO max. pounds per hour: 10.44 lbchr - 14.66 lbchr	Calcasieu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasieu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate.



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Facility Nan	ermit Number:		0560-00987-V4 CALCASIEU PASS PROJECT			Comp		I Number:	E GLOBAL	CALCASIEU PA	194203	
Emission Source No./ Identifier	Pollutant(s)	Permit Condition Number	Applicable Compliance Requirement	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviati	nn Began		tion Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
				Compliance Status	Frequency	Date	Time	Date	Time	1		
9QT 0008	PM	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III:501.C.4]	Records Review	Continuously	1/26/22	7.00 PM	6/14/22	6:90 AM	175 (intermittently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since mittal startup, they have experienced unexpected outages beyond the control of Calcasieu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estamated PM max. pounds per hour: 0.96 lb/hr - 1.33 lb/hr	Calcasieu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Documen ID 13730261), Calcasieu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate.
QT 0008	VOC and HAPs/TAPs	SR 105	Operate the source in accordance with the ferms and conditions of this permit. [LAC 33:III 501 C.4]	Records Review	Continuously	1/22/22	6.00 PM	6/14/22	6:00 AM	202 (intermenently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasaeu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated VOC max. pounds per hour: 0.69 lb/hr = 0.96 lb/hr	Calcasicu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Documen ID 13730261), Calcasicu Pass submitted an application for the Renewal and Significant Modification of the Title V Pertnit No. 0560-00987-V4 to update the maximum bourly emission rate.
QT 0009	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III 501:C-4]	Records Review	Continuously	3/19/22	9:00 PM	4/16/22	9:00 AM	60 (intermittently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasieu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated NOx max. pounds per hour: 4.85 lb/hr + 5.35 lb/hr	Calcasieu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented nutigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Documen ID 13730261), Calcasieu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate.
QT 0009	со	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III.501.C.4]	Records Review	Continuously	3/19/22	9:00 PM	51/22	3:00 AM	(intermittently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasicu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was mindirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated CO max. pounds per hour: 10.44 lb/hr - 12.01 lb/hr	Calcasseu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mitigation measures to reduce the emis Additionally, on March 17, 2023 (ED) ment ID 13730261), Calcasseu Pass submit as application for the Renewal and Signic an Modification of the Title V Permit No. 0560-1987-V4 to update the maximum hourly emission ra
QT 0009	PM	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III 501 C.4]	Records Review	Continuously	3/19/22	9:00 PM	5/1/22	3:00 AM	177 (intermitently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil beaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasiea Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip. Estimated PM max, pounds per hour, 0.96 lb/hr - 1.09 lb/hr.	Calcasieu Pass worked with the manufacturer—the hot oil heaters to replace parts and unplements mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS F) current ID 137302613, Calcasieu Pass submitted application for the Renewal and Signific & Modification of the Title V Permit No. 6560-00987-V4 to update the maximum hourby mission rate.

Instead of correcting the problem, they are asking to increase their permit limits.



Emissions are likely far higher, since Venture Global assumes a high combustion rate

Title V Per	Title V Permit Number: 0560-00987-V4 CALCASIEU PASS PROJECT					ion Summ	and the same of the		CALCASIEU P.	ASS, LLC		
Facility Name	4		CALCASIEU PASS PROJECT				1	A Number			194203	
Emission Source No./ Identifier	Pollutant(s)	Permit Condition Number	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviat	ion Began	Devis	ation E ded	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
				Compliance Status	Frequency	Date	Time	Date	ime			
EQT 0009	VOC and HAPs/TAPs	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III.501.C.4]	Records Review	Continuously	3/19/22	9:00 PM	5/1/22	4.00 A.	203 (intermittently)	As described in a letter dated February 5, 2022 (EDMS Document ID 13167131), the hot oil heaters are a custom designed solution for the facility and since initial startup, they have experienced unexpected outages beyond the control of Calcasieu Pass. The outages were caused primarily by a design issue associated with the furnace assembly whereby heated flue gas was misdirected onto several heater instruments, resulting in the instruments overheating which then caused the hot oil heater to trip Estimated VOC max. pounds per hour: 0.69 lb/hr - 0.79 lb/hr	Calcasieu Pass worked with the manufacturer of the hot oil heaters to replace parts and implemented mitigation measures to reduce the emissions. Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasseo Pass submitted an application for the Renewal and Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate.
EQT 0006	SO ₂	SR 111	Comply with the requirements of PSD-LA-805 (M-4). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-805 (M-4).	Records Review	Continuously	5/18/22	12:00 AM	6/30/22	12:00 AM	348 (intermittently)	Presence of dimethyl sulfide odorant in the pipeline feed gas	The deviations were previously reported, as described in the Unauthorized Discharge Written Report dated July 27, 2022 (EDMS Document ID 13462522). Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasieu Pass submitted an application for the Major Modification of the PSD Permit No. PSD-LA-805(M-4) to update the maximum hourly emission rate.
EQT 9007	SO ₂	SR 111	Comply with the requirements of PSD-LA-805 (M-4). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-805 (M-4).	Records Review	Continuously	5/18/22	12:00 AM	6/30/22	12 90 AM	203 (intermittently)	Presence of dimethyl sulfide odorant in the pipeline feed gas	The deviations were previously reported, as described in the Unauthorized Discharge Written Report dated July 27, 2022 (EDMS Document ID 13462522). Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasieu Pass submitted an application for the Major Modification of the PSD Permit No. PSD-LA-805(M-4) to update the maximum hourly emission rate.
EQT 0008	SO ₂	SR 111	Comply with the requirements of PSD-LA-805 (M-4). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-805 (M-4).	Records Review	Continuously	5/18/22	12:00 AM	6/30/22	12 00 AM	158 (intermittently)	Presence of dimethyl sulfide odorant in the pipeline feed gas	The deviations were previously reported, as described in the Unauthorized Discharge Written Report dated July 27, 2022 (EDMS Document ID 13462522) Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasieu Pass submitted an application for the Major Modification of the PSD Permit No. PSD-LA-805(M-4) to update the maximum hourly emission rate.
EQT 0009	SO ₂	SR 111	Comply with the requirements of PSD-LA-805 (M-4). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-805 (M-4).	Records Review	.Continuously	5/18/22	12 00 AM	6/30/22	12:00 AM	345 (intermittently)	Presence of dimethyl sulfide odorant in the pipeline feed gas.	The deviations were previously reported, as described in the Unauthorized Discharge Written Report dated July 27, 2022 (EDMS Document ID 13462522). Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasteu Pass submitted an application for the Major Modification of the PSD Permit No. PSD-LA-805(M-4) to update the maximum hourly emission rate.



This same cut and paste explanation goes on for six pages.

Tide V Dee	Title V Permit Number: 0560-00987-V4					on Summ	and the same		CALCASIEU P	ISS LLC		
Facility Name:			CALCASIEU PASS PROJECT			Comp		1 Number:		ALCOHOL I	194203	
Emission Source No./ Identifier	Pollutant(s)	Permit Condition Number	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviati	on Began	Devia	tion Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) T Are
		.vumber		Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0034	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III 535 and Louisiana General Conditions as set forth in LAC 33:III 537. [LAC 33:III 535, LAC33:III 537]	Records Review	Continuously	3/7/22	1:00 AM	3/7/22	2:00 AM	1	While commissioning the liquefaction facility, an upset occurred, resulting SCCT1 (EQT 0034) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 176.96 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCTI (EQT 0034) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT-0034	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:1II 535 and Louisiana General Conditions as set forth in LAC 33:1II 537. [LAC 33:III 535, LAC33:III 537]	Records Review	Continuously	3/7/22	8.00 PM	3/7/22	10.00 PM	2	While commissioning the liquefaction facility, an upset occurred, resulting in SCCT1 (EQT 0034) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 182 37 lb/hr and 43.11 lb/hr	Before the facility's Energy Management Fortem (EMS) was commerciated in the roads had to be manually adjusted and SCCT1 (EQT 0034) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0034	со	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III.535 and Louisiana General Conditions as set forth in LAC 33 III.537. [LAC 33 III.535, LAC 33 III.537]	Records Review	Continuously	3/9/22	9:00 AM	3/9/22	10:00 AM	¥ć.	While commissioning the Isquefaction facility, an upset occurred, resulting in SCCT1 (EQT 0034) dropping into extended lean-lean operating mode, followed by a blackout. Estimated CO max. pounds per hour: 160.76 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCTI (EQT 0034) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0034	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	3/11/22	12:00 PM	3/11/22	3.00 PM	1	While commissioning the facility, an upset occurred, resulting in a load swing in SCCT1 (EQT 0034) causing the turbine to drop below MECL. Estimated NOx max. pounds per hour. 296.65 lb/hr, 296.65 lb/hr, and 123.18 lb/hr.	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT1 (EQT 0034) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0034	NON	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III 535 and Louisiana General Conditions as set forth in LAC 33:III 537. [LAC 33:III 535, LAC33:III 537]	Records Review	Continuously	3/15/22	11:00 AM	3/15/22	2:00 PM	3	While commissioning the facility, an upset occurred, resulting in SCCT1 (EQT 0034) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 115.21 lb/hr, 151.44 lb/hr, and 94.19 lb/hr.	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT1 (EQT 0034) was returned to emissious compliance. The EMS became available in November 2022 and will manimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.



Deviation Summary Report 0560-00987-V4 Company Name: VENTURE GLOBAL CALCASIEU PASS, LLC Title V Permit Number: 194203 CALCASIEU PASS PROJECT Al Number: Facility Name: Method(s) or Other Deviation Ended Total No. of Deviation/ Cause(s) of Deviation Corrective Action(s) Taken Emission Source Applicable Compliance Requirement Permit Deviation Began Pollutant(s) Permit Condition (Include Rule Citation) Means For Required Hours No./ Identifier Determining Monitoring Number Compliance Status Frequency Date Time Date Time Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be While commissioning the liquefaction facility, an upset occurred, resulting in nanually adjusted and SCCT1 (EQT 0034) was Comply with the Part 70 General Conditions as set forth in LAC SCCT1 (EQT 0034) dropping into extended lean-lean operating mode. 11:00 PM 3/20/22 12:00 AM returned to emissions compliance. The EMS became 33:III 535 and Louisiana General Conditions as set forth in LAC Records Review Continuously 3/20/22 EQT 0034 NOx. available in November 2022 and will minimize trips 33 fil 537. [LAC 33 fil 535, LAC33 fil 537] Estimated NOx max. pounds per hour: 86.63 lb/hr of the turbines and will ensure the turbines operate within MECL and within premix operating mode Before the facility's Energy Management System While commissioning the liquefaction facility, an upset occurred due to (EMS) was commissioned, turbine loads had to be manually adjusted and SCCTI (EQT 0034) was instrumentation failure, resulting in SCCT1 (EQT 0034) dropping into extended Comply with the Part 70 General Conditions as set forth in LAC 3/30/22 2 returned to emissions compliance. The EMS became 3/30/22 5:00 AM 7:00 AM lean-lean operating mode. 33:III.535 and Louisiana General Conditions as set forth in LAC Records Review Continuously EQT 0034 NOx 33:III 537. [LAC 33:III 535, LAC33:III 537] available in November 2022 and will minimize trips Estimated NOx max. pounds per hour: 151.48 lb/hr and 42.67 lb/hr. of the turbines and will ensure the turbines operate within MECL and within premix operating mode Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be While commissioning the liquefaction facility, an upset occurred, resulting in anually adjusted and SCCT1 (EQT 0034) was Comply with the Part 70 General Conditions as set forth in LAC SCCT1 (EQT 0034) dropping into extended lean-lean operating mode. 4/5/22 10:00 AM 4/5/22 12:00 PM 2 returned to emissions compliance. The EMS became Continuously EQT 0034 NOx 33 III 535 and Louisiana General Conditions at set forth in LAC Records Review 33:III 537 [LAC 33:III 535, LAC33:III 537] available in November 2022 and will minimize trips Estimated NOx max, pounds per hour: 125.58 lb/hr and 44.65 lb/hr. of the turbines and will ensure the turbines operate within MECL and within premix operating mode Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be While commissioning the liquefaction facility, an instrumentation failure resulted nanually adjusted and SCCT1 (EQT 0034) was Comply with the Part 70 General Conditions as set forth in LAC in SCCT1 (EQT 0034) dropping into extended lean-lean operating mode. 12:00 AM 2 returned to emissions compliance. The EMS became EQT 0034 33 III 535 and Louisiana General Conditions as set forth in LAC Records Review Continuously 4/9/22 4/9/22 2:00 AM NOx 33 III.537. [LAC 33:III.535, LAC33:III.537] available in November 2022 and will minimize trips Estimated NOx max, pounds per hour: 64.4 lb/hr and 184.89 lb/hr of the turbines and will ensure the turbines operate within MECL and within premix operating mode Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be While commissioning the liquefaction facility, an upset occurred, resulting in a Comply with the Part 70 General Conditions as set forth in LAC muslly adjusted and SCCT1 (EQT 0034) was reduction in power and SCCT1 (EQT 0034) dropping below MECL. 2 returned to emissions compliance. The EMS became 4/10/22 5:00 AM 4/10/22 7:00 AM EQT 0034 NON 33:311:535 and Louisiana General Conditions as set forth in LAC Records Review Continuously 33-III 537. [LAC 33-III 535, LAC33-III 537] available in November 2022 and will minimize trips Estimated NOx max. pounds per hour: 53.32 lb/hr and 137.65 lb/hr of the turbines and will ensure the turbines operate within MECL and within premix operating mode.



Title V Permit Number: 0560-00987-V4 Company Name: VENTURE GLOBAL CALCASIEU PASS, LLC
Facility Name: CALCASIEU PASS PROJECT AI Number: 194203

Facility Name	cility Name: CALCASIEU PASS PROJECT		_			A	I Number:			194203		
Emission Source No./ Identifier	Pollutant(s)	Permit Condition Number	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviati	on Began	Devia	tion Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
				Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0034	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537]	Records Revsew	Continuously	4/12/22	7:00 AM	4/12/22	9:00 AM	2	While commissioning the liquefaction facility, an upset occurred due to a failed communication card which resulted in SCCT1 (EQT 0034) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 173.41 lb/br and 42.8 lb/br	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT1 (EQT 0034) was returned to emissions compliance and the faulty component was replaced. The EMS became availal in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0034	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537]	Records Review	Continuously	4/13/22	12-00 PM	4/13/22	1.60 PM	ı	While commissioning the liquefaction facility, an upset occurred resulting in SCCT1 (EQT 0034) dropping into extended lean-lean operating mode. Estimated NOx max, pounds per hour: 55.74 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT1 (EQT 0034) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trip of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0034	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	4/22/22	6:00 PM	4/22/22	7.00 PM	1	While commissioning the liquefaction facility, an upset occurred, resulting in SCCT1 (EQT 0034) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour. 58.42 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT1 (EQT 0034) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trip of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0034	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louissana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	63/22	5:00 AM	6/3/22	6:00 AM	h:	While commissioning the liquefaction facility, an upset occurred, resulting in SCCT1 (EQT 0034) dropping into extended lean-ican operating mode. Estimated NOx max. pounds per bour: 42.17 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT1 (EQT 0034) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
SQT 0034	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III 535 and Louisiana General Conditions as set forth in LAC 33:III 537. [LAC 33:III 535, LAC33:III 537]	Records Review	Continuously	6/29/22	10:00 AM	6/29/22	11.00 AM	T.	While commissioning the liquefaction facility, an upset occurred, resulting in SCCT1 (EQT 0034) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: \$3.75 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT1 (EQT 0034) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premay operating mode.



		Deviation Summary Report	
Fitle V Permit Number:	0560-00987-V4	Company Name: VENTURE GLOBAL CALCASIEU PASS, LLC	- 19

Facility Name			CALCASIEU PASS PROJECT				A	d Number:			194203	_
Emission Source No./ Identifier	Pollutant(s)	Permit Condition Number	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviation	on Began	Devia	tion Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
				Compliance Status	Frequency	Date	Time	Date	Time	2		
EQT 0034	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537]	Records Review	Continuously	6/30/22	2:00 AM	6/30/22	3:00 AM	1	While commissioning the liquefaction facility, an upset occurred, resulting in SCCT1 (EQT 0034) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 64.69 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCTI (EQT 0034) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0034	voc	SR 111	Comply with the requirements of PSD-LA-805 (M-4). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-805 (M-4).	Records Review	Continuously	3/22/22	12:00 PM	5/26/22	9:00 AM	76 (intermittently)	Based on further review of fuel flow rates and high heating values, the VOC emissions exceeded the permit limit. Estimated VOC 3-hour average: 2.01 lb/hr + 2.15 lb/hr	Calcasion Pass is reporting these exceedances based on its review of monitoring data. As described by letter dated October 4, 2022 (EDMS Document ID 13511174), as of July 16, 2022, SCCT1 (EQT 003-is no longer operational. The turbine has been converted to the currently permitted, permanent combined cycle operating mode.
EQT 0034	VOC and HAPs/TAPs	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	3/3/22	1:00 PM	5/26/22	9.00 AM	82 (intermittently)	Based on further review of fuel flow rates and high heating values, the VOC emissions exceeded the permit limit. Estimated VOC max. pounds per hour: 2.01 lb/hr - 2.24 lb/hr	Calcasieu Pass is reporting these exceedances based on its review of monitoring data. As described by letter dated October 4, 2022 (EDMS Document ID 13511174), as of July 16, 2022, SCCT1 (EQT 003-is no longer operational. The turbine has been converted to the currently permitted, permanent combined cycle operating mode.
EQT 0035	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III 535 and Louistana General Conditions as set forth in LAC 33:III 537. [LAC 33:III 535, LAC33:III 537]	Records Review	Continuously	3/18/22	3.00 AM	3/18/22	4:00 AM	1	While commissioning the liquefaction facility, an upset occurred due to equipment tripping, resulting in SCCT2 (EQT 0035) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 51.92 lb/lar	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0035	NOx		Comply with the Part 70 General Conditions as set forth in LAC 33-III 535 and Louisiana General Conditions as set forth in LAC 33-III 537. [LAC 33-III 535, LAC 33-III 537]	Records Review	Continuously	3/29/22	10-00 PM	3/29/22	12:00 PM	2	While commissioning the liquefaction facility, an upset occurred due to equipment tripping, resulting in SCCT2 (EQT 0035) dropping into extended lean-lean operating mode. Estimated NOs max. pounds per hour. 46.95 lb/hr and 115.98 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0035	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III:535 and Louisiana General Conditions as set forth in LAC 33:III:537 [LAC 33:III:535, LAC33:III:537]	Records Review	Continuously	3/30/22	1-00 PM	3/30/22	2:00 PM	1	While commissioning the liquefaction facility, an upset occurred due to instrumentation failure, resulting in SCCT2 (EQT 0035) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 76.53 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.



Title V Permit Number: 0560-00987-V4 Company Name: VENTURE GLOBAL CALCASIEU PASS, LLC

Facility Name: CALCASIEU PASS PROJECT
AI Number: 194203

Sion Source Identifier Pollutant(s) Permit Condition (Include Rule Citation) Number Determining Monitoring Monitoring

Facility Name	Facility Name:		CALCASIEU PASS PROJECT	Al Number:						194203		
Emission Source No./ Identifier	Pollutant(s)	Permit Condition Number	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviati	ion Began	Devia	tion Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
				Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0035	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537]	Records Review	Continuously	4/5/22	10:00 AM	4/5/22	11:00 PM	ı	While commissioning the liquefaction facility, an upset occurred due to equipment tripping, resulting in SCCT2 (EQT 0035) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 69.72 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trip of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0035	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537]	Records Review	Continuously	49/22	12 00 AM	49/22	2:00 AM	2	While commissioning the liquefaction facility, an upset occurred due to instrumentation failure, resulting in SCCT2 (EQT 0035) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 70.07 lb/hr and 302.74 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trip of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0035	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 JH 535 and Louisiana General Conditions as set forth in LAC 33 JH 537. [LAC 33 JH 535, LAC33 JH 537]	Records Review	Continuously	4/10/22	5.00 AM	4/10/22	8:00 PM	:3:	While commissioning the liquefaction facility, an upset occurred, resulting in a reduction in power and SCCT2 (EQT 0035) dropping below MECL. Estimated NOx max. pounds per hour: 117.91 lb/hr, 202.20 lb/hr, and 241.37 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0035	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537]	Records Review	Continuously	4/12/22	7.00 AM	4/12/22	9:00 AM	2	While commissioning the liquefaction facility, an upset occurred due to a failed communication card, resulting in SCCT 2 (EQT 0035) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour. 332:60 lb/hr and 94:02 lb/hr.	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance and the faulty component was replaced. The EMS became availab in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0035	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537]	Records Review	Continuously	4/28/22	12:00 AM	4/28/22	1:00 AM	1	While commissioning the liquefaction facility, an upset occurred due to equipment tripping, resulting in SCCT2 (EQT 0035) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour. 55.43 lb/hr.	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.



Title V Permit Number: 0560-00987-V4 Company Name: VENTURE GLOBAL CALCASIEU PASS, LLC

acility Name: CALCASIEU PASS PROJECT AI Number: 194203

Facility Name	ty Name: CALCASIEU PASS PROJECT						A	I Number:			194203		
Emission Source No./ Identifier	Pollutant(s)	Permit Condition Number	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviati	ion Began	Devia	tion Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken	
				Compliance Status	Frequency	Date	Time	Date	Time				
EQT 0035	NOs	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33-III 535 and Louisiana General Conditions as set forth in LAC 33-III 537 [LAC 33-III 535, LAC33-III 537]	Records Review	Continuously	5/9/22	9:00 AM	5/9/22	10:00 AM	ı	While commissioning the liquefaction facility, an upset occurred due to equipment tripping, resulting in SCCT2 (EQT 0035) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 56.57 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance. The EMS becar available in November 2022 and will minimize trip of the turbines and will ensure the turbines operate within MECL and within premix operating mode.	
EQT 0035	со	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III.535 and Louisiana General Conditions as set forth in LAC 33 III.537. [LAC 33 III.535, LAC33 III.537]	Records Review	Continuously	5/6/22	2:00 PM	5/6/22	3:00 PM	1	While commissioning the liquefaction facility, an upset occurred and tripped SCCT2 (EQT 0035). Estimated CO max. pounds per hour: 67.94 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance. The EMS became valiable in November 2022 and will minimize trip of the turbines and will ensure the turbines operate within MECL and within premix operating mode.	
EQT 0035	co	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33-III 535 and Louisiana General Conditions as set forth in LAC 33-III 537. [LAC 33-III 535, LAC 33-III 537]	Records Review	Continuously	5/6/22	7:00 PM	5/6/22	8:00 PM	(80)	While commissioning the liquefaction facility, an upset occurred and tripped SCCT2 (EQT 0035). Estimated CO max. pounds per hour 109.86 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trip of the turbines and will ensure the turbines operate within MECL and within premix operating mode.	
EQT 0035	NOx		Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	5/7/22	12:00 AM	5/7/22	2:00 AM	2	While commissioning the liquefaction facility, an upset occurred and tripped SCCT1 (EQT 0034), SCCT2 (EQT 0035), and SCCT3 (EQT 0036), followed by power outage (blackout). Estimated NOx max. pounds per hour: 164 48 lb/hr and 242.91 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.	
EQT 0035	voc	SR 111	Comply with the requirements of PSD-LA-805 (M-4). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-805 (M-4).	Records Review	Continuously	3/26/22	11:00 AM	5/26/22	9-00 AM	13 (intermittently)	Based on further review of fuel flow rates and high heating values, the VOC emissions exceeded the permit limit. Estimated VOC 3-hour average: 2.01 lb/hr + 2.04 lb/hr	Calcasieu Pais is reporting these exceedances based on its review of monitoring data. As described by fetter dated October 4, 2022 (EDMS Document ID 13511174), as of August 6, 2022, SCCT2 (EQT 035) is no longer operational. The turbine has beer converted to the currently permitted, permanent combined cycle operating mode.	



EQT 0036

NOx.

SR 120

33:III.535 and Louisiana General Conditions as set forth in LAC

33:HL537. [LAC 33:III.535, LAC33:III.537]

Louisiana DEQ Title V Semiannual Monitoring Form

Deviation Summary Report 0560-00987-V4 Company Name: VENTURE GLOBAL CALCASIEU PASS, LLC Title V Permit Number: 194203 CALCASIEU PASS PROJECT Al Number: Facility Name: Corrective Action(s) Taken Method(s) or Other Deviation Ended Total No. of Deviation/ Cause(s) of Deviation Applicable Compliance Requirement Permit Deviation Began Emission Source Pollutant(s) Permit Hours No./ Identifier Condition (Include Rule Citation) Means For Required Determining Monitoring Number Compliance Status Frequency Date Date Time Time alcasieu Pass is reporting these exceedances based Based on further review of fuel flow rates and high heating values, the VOC on its review of monitoring data. As described by letter dated October 4, 2022 (EDMS Document ID Comply with the Part 70 General Conditions as set forth in LAC emissions exceeded the permit limit. 21 VOC and SR 120 33:III 535 and Louisiana General Conditions as set forth in LAC Records Review Continuously: 3/26/22 10:00 AM 5/26/22 9:00 AM 13511174), as of August 6, 2022, SCCT2 (EQT EQT 0035 HAPs/TAPs Estimated VOC max, pounds per hour: 2.01 lb/hr - 2.14 lb/hr 0035) is no longer operational. The turbine has been 33:III.537. [LAC 33:III.535, LAC33:III.537] converted to the currently permitted, permanent combined cycle operating mode. Calcusies Pass is reporting these exceedances based on its review of monitoring data. As described by Based on further review of fuel flow rates and high heating values, the VOC Comply with the requirements of PSD-LA-805 (M-4). This permit letter dated October 4, 2022 (EDMS Document ID) missions exceeded the permit limit. Records Review 3/24/22 10:00 AM 4/29/22 12:00 PM 13511174), as of August 29, 2022, SCCT3 (EQT EQT 0036 VOC SR 111 includes provisions of the Prevention of Significant Deterioration (PSD) Continuously (intermittently) review from Permit PSD-LA-805 (M-4) 0036) is no longer operational. The turbine has been Estimated VOC 3-hour average: 2.01 lb/hr + 2.21 lb/hr converted to the currently permitted, permanent ombined cycle operating mode. Calcasieu Pass is reporting these exceedances based Based on further review of fuel flow rates and high heating values, the VOC on its review of monitoring data. As described by missions exceeded the permit limit letter dated October 4, 2022 (EDMS Document ID) Comply with the Part 70 General Conditions as set forth in LAC 100 VOC and 10:00 AM 13511174), as of August 29, 2022, SCCT3 (EQT 3/24/22 9:00 AM 5/7/22 EQT 0036 SR 120 33:III.535 and Louisiana General Conditions as set forth in LAC Records Review Continuously (intermittently) HAPs/TAPs Estimated VOC max. pounds per hour: 2.01 lb/hr - 2.27 lb/hr 0036) is no longer operational. The turbine has been 33.III.537. [LAC 33.III.535, LAC33.III.537] converted to the currently permitted, permanent ombined cycle operating mode. Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be While commissioning the liquefaction facility, an upset occurred due to an Comply with the Part 70 General Conditions as set forth in LAC instrumentation trip, resulting in SCCT3 (EQT 0036) going into full speed no manually adjusted and SCCT3 (EQT 0036) was 3/7/22 2 returned to emissions compliance. The EMS became 3/7/22 1:00 AM 3:00 AM load (FSNL) operating mode EQT 0036 33:III 535 and Louisiana General Conditions as set forth in LAC Records Review Continuously NOx 33:III.537. [LAC 33:III.535, LAC33:III.537] available in November 2022 and will minimize trips Estimated NOx max: pounds per hour: 51.3 lb/hr and 101.11 lb/hr of the turbines and will ensure the turbines operate within MECL and within premix operating mode. Before the facility's Energy Management System While commissioning the liquefaction facility, an upset occurred due to an (EMS) was commissioned, turbine loads had to be instrumentation trip, resulting in SCCT3 (EQT 0036) going into full speed nounually adjusted and SCCT3 (EQT 0036) was Comply with the Part 70 General Conditions as set forth in LAC

1:00 PM

3/7/22

3:00 PM

load (FSNL) operating mode.

Estimated NOx max, pounds per hour: 132.29 lb/hr and 173.96 lb/hr

cturned to emissions compliance. The EMS became

wailable in November 2022 and will minimize trips

of the turbines and will ensure the turbines operate within MECL and within premix operating mode.

Continuously

Records Review

3/7/22



						Deviat	ion Summ	ary Repor	1			
Title V Per	mit Number:		0560-00987-V4			Comp	any Name:	VENTUR	E GLOBAL C	CALCASIEU PA	ASS, LLC	
Facility Name			CALCASIEU PASS PROJECT	_			A	l Number:			194203	
Emission Source No./ Identifier	Pollutant(s)	Permit Condition Number	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	20.000	on Began	.0000000	tion Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Assistant Taken
EQT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33-III.535 and Louisiana General Conditions as set forth in LAC 33-III.537. [LAC 33-III.535, LAC33-III.537]	Records Review	Frequency	3/11/22	12:00 PM	3/11/22	3.00 PM	3	While commissioning the facility, an upset occurred due to an instrumentation trip, resulting in SCCT3 (EQT 0036) dropping below MECL. Estimated NOx max. pounds per hour: 326.83 lb/hr, 333.13 lb/hr, and 77.73 lb/hr.	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33-III 535 and Louisiana General Conditions as set forth in LAC 33-III 537. [LAC 33-III 535, LAC 33-III 537]	Records Review	Continuously	3/15/22	11 00 AM	3/15/22	12:00 PM	T.	While commissioning the liquefaction facility, an upset occurred that caused SCCT2 (EQT 0035) to trip, resulting in SCCT3 (EQT 0036) going into full speed no load (FSNL) operating mode. Estimated NOx max. pounds per hour: 52.81 lb/hr	Before S. (acility's Energy Management III stem (EMS) was consistent of the well-roads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0036	со	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC 33 III 537]	Records Review	Continuously	3/15/22	10:00 AM	3/15/22	12:00 PM	2	While commissioning the liquefaction facility, an upset occurred that caused SCCT2 (FQT 0035) to trip, resulting in SCCT3 (FQT 0036) going into full speed no load (FSNL) operating mode. Estimated CO max. pounds per hour. 55.34 lb/hr and 65.74 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III.535 and Louisiana General Conditions as set forth in LAC 33 III.537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	3/17/22	8:00 AM	3/17/22	900 AM	1	While commissioning the liquefaction facility, an upset occurred due to an equipment failute, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 194.24 lib/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III.535 and Louisiana General Conditions as set forth in LAC 33 III.537. [LAC 33 III.535, LAC 33 III.537]	Records Review	Continuously	3/18/22	3.00 AM	3/18/22	4 00 AM	1	While commissioning the liquefaction facility, a process unit tripped, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated NOs max. pounds per hour: 116.56 lb-lir	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.



EQT 0036

EQT 0036

EQT 0036

NOx

NOx

SR 120 33 fll 535 and Louisiana General Conditions as set forth in LAC

Comply with the Part 70 General Conditions as set forth in LAC

Comply with the Part 70 General Conditions as set forth in LAC

SR 120 33:III 535 and Louisiana General Conditions as set forth in LAC

33:III.537. [LAC 33:III.535, LAC33:III.537]

33 III 535 and Louisiana General Conditions as set forth in LAC

33 III.537 [LAC 33 III.535, LAC33 III.537]

33 III 537. [LAC 33 III 535, LAC33 III 537]

Louisiana DEO Title V Semiannual Monitoring Form **Deviation Summary Report** Company Name: VENTURE GLOBAL CALCASIEU PASS, LLC 0560-00987-V4 Title V Permit Number: 194203 Al Number: CALCASIEU PASS PROJECT Facility Name: Corrective Action(s) Taken Method(s) or Other Deviation Ended Total No. of Deviation/ Cause(s) of Deviation Applicable Compliance Requirement Permit Deviation Began Emission Source Pollutant(s) Permit (Include Rule Citation) Means For Required Hours No./ Identifier Condition Monitoring Determining Number Compliance Status Frequency Date Date Time Time Before the facility's Energy Management System While commissioning the liquefaction facility, an upset occurred due to an (EMS) was commissioned, turbine loads had to be unually adjusted and SCCT3 (EQT 0036) was instrumentation failure, resulting in SCCT3 (EQT 0036) dropping below Comply with the Part 70 General Conditions as set forth in LAC 3/22/22 3/22/22 2 returned to emissions compliance. The EMS became 33:III.535 and Louisiana General Conditions as set forth in LAC Records Review Continuously 12:00 AM 2:00 AM EQT 0036 NOx SR 120 available in November 2022 and will minimize trips 334II 537. ILAC 334II 535, LAC334II 537] Estimated NOx max. pounds per hour: 121.68 lb/hr and 136.49 lb/hr of the turbines and will ensure the turbines operate within MECL and within premix operating mode. Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be While commissioning the fiquefaction facility, an upset occurred, resulting in manually adjusted and SCCT3 (EQT 0036) was Comply with the Part 70 General Conditions as set forth in LAC SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. 2 returned to emissions compliance. The EMS became 3/22/22 9:00 AM 3/22/22 11:00 AM SR 120 33 III 535 and Louisiana General Conditions as set forth in LAC Records Review Continuously. EOT 0036 NOx available in November 2022 and will minimize trips 33 III 537. [LAC 33 III 535, LAC33 III 537] Estimated NOx max. pounds per hour: 167.15 lb/hr and 157.33 lb/hr of the turbines and will ensure the turbines operate within MECL and within premix operating mode. Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be While commissioning the liquefaction facility, an instrumentation failure nanually adjusted and SCCT3 (EQT 0036) was Comply with the Part 70 General Conditions as set forth in LAC occurred, resulting in SCCT3 (EQT 0036) dropping below MECL. 3/29/22 11:00 PM 3/29/22 12:00 AM returned to emissions compliance. The EMS became Continuously

available in November 2022 and will minimize trips

of the turbines and will ensure the turbines operate within MECL and within premix operating mode.

Before the facility's Energy Management System. (EMS) was commissioned, turbine loads had to be

unually adjusted and SCCT3 (EQT 0036) was

returned to emissions compliance. The EMS became

available in November 2022 and will minimize trips

of the turbines and will ensure the turbines operate within MECL and within premix operating mode

Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be

nanually adjusted and SCCT3 (EQT 0036) was

eturned to emissions compliance. The EMS became

available in November 2022 and will minimize trips

of the turbines and will ensure the turbines operate within MECL and within premix operating mode.

Estimated NOx max. pounds per hour. 181.88 lb/hr

SCCT3 (EQT 0036) dropping below MECL

lean-lean operating mode.

Estimated NOx max, pounds per hour, 148.90 lb/hr

Estimated NOx max, pounds per hour: 57.02 lb/br

While commissioning the liquefaction facility, an upset occurred, resulting in

While commissioning the liquefaction facility, an upset occurred due to equipment tripping, resulting in SCCT3 (EQT 0036) dropping into extended

Records Review

Records Review

Records Review

Continuously

Continuously

4/3/22

4/4/22

3:00 PM

8:00 AM

4/3/22

4/4/22

E	ig	e,	2	

4:00 PM

9.00 AM



Deviation Summary Report

Title V Permit Number: 0560-00987-V4

Calcasteu Pass Project

Calcasteu Pass Project

Sion Source | Pollutant(s) | Permit | Applicable Compliance Requirement | Method(s) or Other | Permit | Deviation Began | Deviation Ended | Total No. of | Deviation / Cause(s) of Deviation | Deviation / Cau

ility Name: CALCASIEU PASS PROJECT		CALCASIEU PASS PROJECT	AI Number:							194203		
Pollutant(s)	Condition	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviati	on Began	Devia	tion Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Compliance Status	Frequency	Date	Time	Date	Time				
NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537]	Records Review	Continuously	4/5/22	10:00 AM	4/5/22	12:00 PM	2	While commissioning the liquefaction facility, an upset occurred due to equipment tripping, resulting in SCC13 (EQT 0036) dropping into extended lean-lean mode. Estimated NOx max. pounds per hour: 95.27 lb/hr and 103.57 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trip of the turbines and will ensure the turbines operate within MECL and within premix operating mode.	
NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III.535 and Louisiana General Conditions as set forth in LAC 33 III.537. [LAC 33:III.535, LAC33 III.537]	Records Review	Continuously	4/10/22	5 00 AM	4/10/22	8:00 AM	3	While commissioning the liquefaction facility, an upset occurred, resulting in a reduction in power and SCCT3 (EQT 0036) dropping below MECL. Extimated NOx max, pounds per hour: 116.58 lb/hr, 355.72 lb/hr, and 49.29 lb/hr.	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trip of the turbines and will ensure the turbines operate within MECL and within premix operating mode.	
NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	4/12/22	7:00 AM	4/12/22	9.00 AM	2	While commissioning the liquefaction facility, an upset occurred due to a failed communication card, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 291.42 lb-hr and 177.95 lb-hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance and the faulty component was replaced. The EMS became availab in November 2022 and will minimize traps of the turbines and will ensure the turbines operate within MECL and within premix operating mode.	
NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	4/22/22	6:00 PM	4/22/22	7:00 PM	1	While commissioning the liquefaction facility, an upset occurred due to equipment tripping, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 58-29 lb/br	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance. The EMS becam available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.	
NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	62/22	10:00 PM	6/2/22	HOUPM	100	While commissioning the liquefaction facility, an upset occurred, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 124.43 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance. The EMS became vailable in November 2022 and will minimize trip of the turbines and will ensure the turbines operate within MECL and within premix operating mode.	
	NOx NOx	Pollutant(s) Permit Condition Number NOx SR 120 NOx SR 120 NOx SR 120	Pollutant(s) Permit Condition Number Applicable Compliance Requirement (Include Rule Citation) Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537] NOX SR 120 Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537] NOX SR 120 Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537] NOX SR 120 Comply with the Part 70 General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537] Comply with the Part 70 General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537]	Pollutant(s) Permit Condition Condition Condition (Include Rule Citation) Method(s) or Other Means For Determining Compliance Status	Pollutant(s) Permit Condition Number Applicable Compliance Requirement (Include Rule Citation) Method(s) or Other Means For Determining Compliance Status Permit Required Monitoring Compliance Status	Pollutant(s) Permit Condition Applicable Compliance Requirement (Include Rule Citation) Metass For Determining Compliance Status Permit Required Metass For Determining Compliance Status Permit Required Metass For Determining Compliance Status Permit Required Metass For Determining Compliance Status Progress Date	Pollutant(s) Permit Condition Applicable Compliance Requirement (Include Rule Citation) Method(s) or Other Means For Determining Compliance Status Permit Required Monitoring Prequency Date Time	Permit Condition Applicable Compliance Requirement (Include Rule Citation) Method(s) or Other Means For Determining Compliance Status Permit Required Compliance Statu	Permit Condition Applicable Compliance Requirement (Include Rule Citation) Method(s) or Other Means For Means For Determining Compliance Status Deviation Began Deviation Ended	Permit Condition Applicable Compliance Requirement (Include Rule Citation) Metabol(s) or Other Means For Decision Began (Include Rule Citation) Metabol(s) or Other Means For Decision Began Required Remotives Date Time Date Time	Polishant(I) Poli	

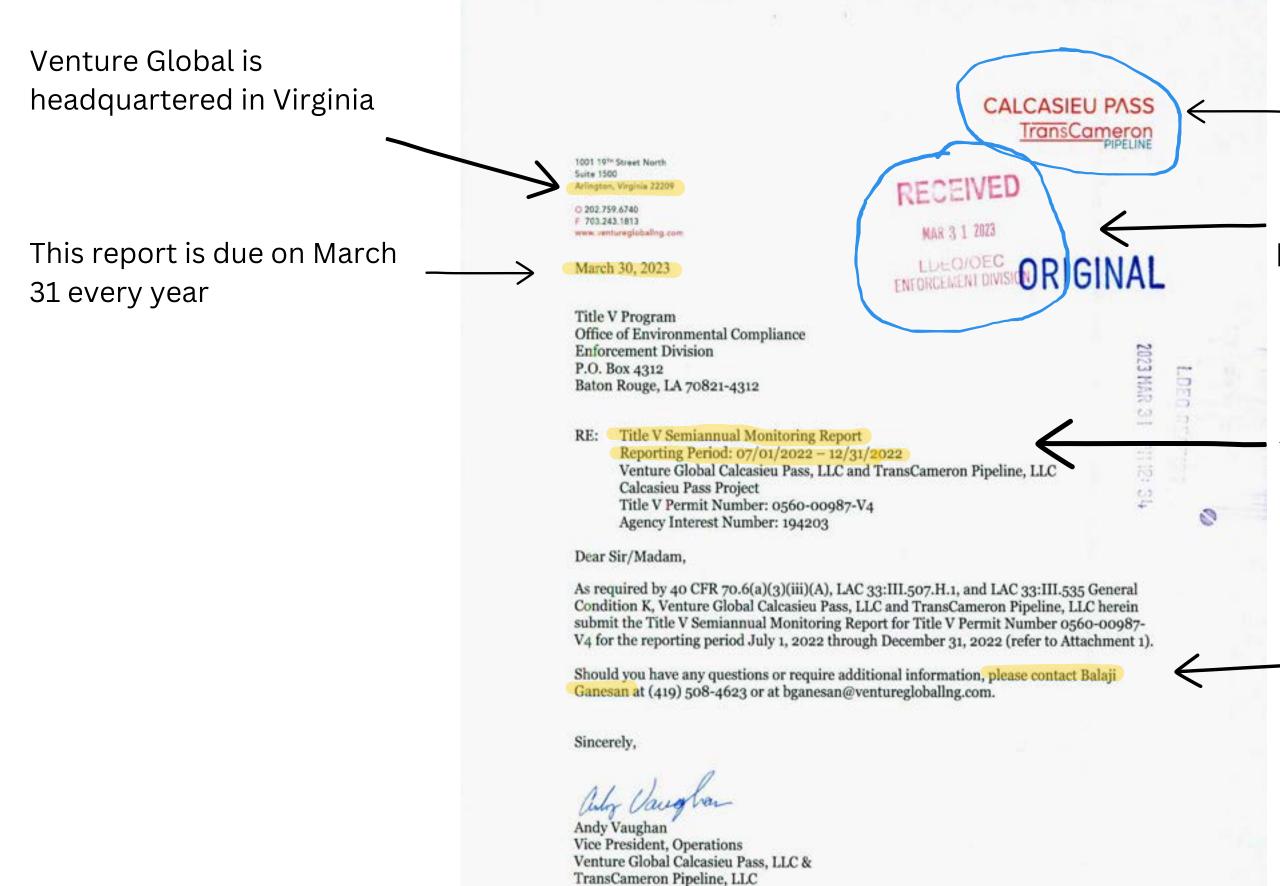


Title V Per	Title V Permit Number: 0560-00987-V4											
Facility Name			CALCASIEU PASS PROJECT		Al Number: 194203							
Emission Source No./ Identifier	Pollutant(s)	Permit Condition Number	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviati	on Began	Deviation Ended		Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
		- Tumber		Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0036	NOs	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537 [LAC 33:III.535, LAC33:III.537]	Records Review	Continuously	6/3/22	2:00 AM	6/3/22	3:00 AM	1	While commissioning the liquefaction facility, as upset occurred, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 128.77 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0051	NOx	100000000000000000000000000000000000000	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537]	Records Review	Continuously	3/10/22	6:00 AM	3/10/22	10.00 AM	4	After a cold startup, the ASCCT (EQT 0051) experienced an emissions exceedance Estimated NOx max. pounds per hour: 4.39 lb/hr - 2.81 lb/hr	The proper operation of the control device (selective catalytic reduction) was verified, the aqueous ammonia injection components were inspected, and the power output (MW) was adjusted to return ASCCT (EQT 0051) to emissions compliance.
EQT 0051	NOx		Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537 [LAC 33 III 535, LAC 33 III 537]	Records Review	Continuously	3/12/22	8:00 AM	3/12/22	10.00 AM	2	Due to an equipment upset, the fuel gas operating temperature decreased, which changed the operating mode of ASCCT (EQT 0051). Estimated NOx max, pounds per hour: 8.98 lb/hr and 11.94 lb/hr	The fuel gas heater was reset and used to raise the fuel gas temperature, and ASCCT (EQT 0051) was returned to emissions compliance.
EQT 0051	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33-III 535 and Louisiana General Conditions as set forth in LAC 33-III 537. [LAC 33-III 535, LAC33-III 537]	Records Review	Continuously	3/13/22	10:00 AM	3/12/22	11:00 AM	t	Due to cold weather, an adjustment to the glycol system changed the operating mode of ASCCT (EQT 0051). Estimated NOx max, pounds per hour: 2.78 lb/hr	The glycol system was re-adjusted and ASCCT (EQT 0051) was returned to emissions compliance

Venture Global Calcasieu Pass LNG:

2nd Semiannual Monitoring Report Annotated Copy (07/01-12/31/2022)

Annotations on pages 2; 5-13 Original version can be found <u>here</u>



Attachment

AKA - Venture Global

Not uploaded on LDEQ public database until April 28

Two of these reports must be submitted every year, on Sept. 30th and March 31st

This person is based in Houston

ATTACHMENT 1

Title V Semiannual Monitoring Report (07/01/2022 - 12/31/2022)



(Facility Identification)

Applicable Reporting Period:

7/1/22 mm/dd/vv 12/31/22 mm/dd/vy

	Co	ompany and Facil	ity Identification	1	
Permit Number	0560-00987-V4	Parish	CAMERON	Date Permit Issued	7/1/21
Company Name	VENTURE GLOBAL	CALCASIEU	PASS, LLC	*	
Facility Name	CALCASIEU PASS	PROJECT		Agency Interest Number	194203
Mailing Address	516 Davis Road				
City	Cameron	State	LA	Zip Code	70631
Contact Person	Balaji Ganesan	Phone #	419-508-4623	Fax#	
Principal Facility Product/Business	LNG				

I certify, based on information and belie document are true, accurate, and compl		he statements a	nd information in this
Responsible Official (signature)	Cook Chaples	_	
Responsible Official (typed)	Andy Vaughan	Date	29-MAR-202
Responsible Official Title	Vice President, Operations		

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LDEQ/OEC ENFORCEMENT DIVISION



De	viation Reporting	
Title V Permit Number: 0560-00987-V4	Company Name	: VENTURE GLOBAL CALCASIEU PASS, LLC
Facility Name: CALCASIEU PASS PROJE	ст	Al Number: 194203
Question	Response (Ves/No)	If the deviations have been previously reported, please reference below the report and date of the report.
Are there any instances of deviation from permit requirements being reported with this semiannual monitoring report? If yes, and they have not been previously reported, then complete the table entitled "Deviation Summary Report."	Yes	Unauthorized Discharge Wisites Report, Dated July 27, 2022 (EDMS Doc ID: 13462522)

Only one of sixty-four violations in this report were reported at the time of its occurence to Louisiana Department of Environmental Quality

^{*} As with all Title V air permit application forms and compliance certifications, deviation reports must contain certification by a responsible official of truth, accuracy, and completeness. Also, any previous deviation reports must contain the information necessary to complete the "Deviation Summary Report" present. Therefore, if these two conditions are not satisfied, then the deviations inappropriately reported before must be appropriately reported in the "Deviation Summary Report."



6 accidents on this page

Louisiana DEQ Title V Semiannual Monitoring Form

Deviation Summary Report Title V Permit Number: Company Name: VENTURE GLOBAL CALCASIEU PASS, LLC 0560-00987-V4 194203 Facility Name: CALCASIEU PASS PROJECT Al Number: Method(s) or Other Permit **Deviation Began Deviation Ended** Required Total No. of **Emission Source** Applicable Compliance Requirement Means For Pollutant(s) Deviation/ Cause(s) of Deviation Corrective Action(s) Taken Condition (Include Rule Citation) No./ Identifier Determining Monitoring Hours Number Compliance Status Frequency Date Time Date Time While commissioning the liquefaction facility, a liquefaction train tripped, resulting in CCCT1 (EQT 0001) dropping into Operators performed a high load transfer of extended lean-lean operating mode Operate the source in accordance with the terms and 11/10/22 11/10/22 2:00 PM CCCT1 (EQT 0001) and restored the turbine into EQT 0001 NOx Records Review Continuously 12:00 PM conditions of this permit. [LAC 33:III 501 C.4] oremix operating mode Estimated NOx max, pounds per hour: 147.71 lb/hr and 96.21 lb/br High level in cold flare knockout drum tripped all 18 liquefaction trains causing both steam turbines to trip. resulting in CCCT1 (EQT 0001) tripping and dropping below Operators restored CCCT1 (EQT 0001) to Operate the source in accordance with the terms and EQT 0001 NOx Records Review 11/16/22 12:00 PM 11/16/22 3:00 PM Continuously conditions of this permit. [LAC 33 III 501 C 4] Estimated NOx max, pounds per hour: 70.54 lb/hr, 74.72 Ib-hr, and 95.72 lb-hr An extended startup following a facility blackout resulted in CCCT1 (EQT 0001) dropping below MECL. Operators restored CCCT1 (EQT 0001) to perate the source in accordance with the terms and 2:00 PM EOT 0001 11/17/22 9:00 AM 11/17/22 NOx Records Review Continuously onditions of this permit. [LAC 33:III 501 C.4] Estimated NOx max. pounds per hour: 105 39 lb/hr - 257.24 lb/hr Comply with the requirements of PSD-LA-805 (M-4). An extended startup following a facility blackout resulted a CCCT1 (EQT 0001) dropping below MECL. Operators restored CCCT1 (EQT 0001) to This permit includes provisions of the Prevention of 2:00 PM 5 EQT 0001 NOx. Records Review Continuously 11/17/22 9:00 AM 11/17/22 Significant Deterioration (PSD) review from Permit PSD-LA-805 (M-4) Estimated 10-hr vg. NOx pounds per hour 94.66 lb/hr The black start of the facility after a freeze event resulted in Sperate the source in accordance with the terms and CCCT1 (EQT 0001) dropping below MECL Operators restored CCCT1 (EQT 0001) to 12/28/22 1:00 AM EQT 0001 NOx Records Review Continuously 12/28/22 12:00 AM onditions of this permit. [LAC 33 III 501 C 4] Estimated NOx max, pounds per hour: 104.45 lb/hr High level in cold flare knockout drum tripped all 18 liquefaction trains causing both steam turbines to trip, resulting in CCCT2 (EQT 0002) tripping and dropping below Operate the source in accordance with the terms and Operators restored CCCT2 (EQT 0002) to EQT 0002 11/15/22 10:00 PM 11/16/22 10:00 AM NOx. Records Review Continuously conditions of this permit. [LAC 33:III.501.C.4] MECL Estimated NOx max. pounds per hour: 27.48 lb/hr - 111.11

What happened to the power source?

There are twelve pages of accidents in this report



Cutting and pasting answers violates the intent of the law: to understand and correct the root cause of the problem

					Devi	ation S	ummar	y Repo	rt			
Title V Permi	t Number:		0560-00987-V4			Compa	ny Name:		VEN	TURE GLO	BAL CALCASIEU PASS, LLC	
Facility Name:	2	CAL	CASIEU PASS PROJECT			AI Number:					194203	
Emission Source No./ Identifier	Pollutant(s)	Permit Condition	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviatio	on Began	Deviation Ended		Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
		Number		Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0002	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III.501.C.4]	Records Review	Continuously	12/27/22	12:00 AM	12/28/22	1 00 AM	25	During the extreme weather conditions (freeze event), blackout, and the black start of the facility, CCCT2 (EQT 0002) tripped, resulting in the turbine dropping into extended lean-lean operating mode and experiencing instrumentation issues. Estimated NOx max. pounds per hour. 109.27 lb/hr - 333.87 lb/hr	Operators restored CCCN EQT 0002) to MECL as soon as practical after the extreme weather event had passed and instrumentation issues were resolved.
EQT 0003	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III 501 C 4]	Records Review	Continuously	11/10/22	10:00 AM	11/10/22	2:00 PM	4	A process upset, resulting in CCCT3 (EQT 0003) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour. 28.06 lb/hr - 126.62 lb/hr	Operators restored CCCT3 (EQT 0003) to MECL.
EQT 0003	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:HI.501.C.4]	Records Review	Continuously	11/15/22	10:00 PM	11/16/22	5:00 AM	7	High level in cold flare knockout drum tripped all 18 liquefaction trains causing both steam turbines to trip, resulting in CCCT3 (EQT 0003) tripping and dropping below MECL.	Operators restored CCCT3 (EQT 0005) to MECL
											Estimated NOx max. pounds per hour: 49.17 lb/hr - 63.44 lb/hr	
EQT 0003	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III 501 C 4]	Records Review	Continuously	12/3/22	11:00 PM	12/4/22	1.00 AM	2	A process upset, resulting in CCCT3 (EQT 0003) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 40.63 lb/br and 42.24 lb/hr.	Operators restored CCCT3 (EQT 0003) to MECL.
EQT 0004	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33.III.501 C.4]	Records Review	Continuously	8/26/22	2:00 PM	8/26/22	6:00 PM	*	While commissioning the liquefaction facility, an upset occurred due to equipment tripping, resulting in CCCT4 (EQT 0004) dropping into extended lean-lean operating mode. Estimated NOx max: pounds per hour: 64 20 lb/hr - 79 91 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and CCCT4 (EQT 0004) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premi operating mode.



					Devi	ation S	ummar	y Repo	rt			
Title V Permi	t Number:		0560-00987-V4			Compa	ny Name:		VEN	TURE GLO	BAL CALCASIEU PASS, LLC	
Facility Name:		CAL	.CASIEU PASS PROJECT	-			AI	Number			194203	
Emission Source No./ Identifier	Pollutani(s)	Permit Condition	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviati	on Began	Deviatio	n Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
		Number		Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0004	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III.501-C.4]	Records Review	Continuously	9/2/22	12:00 AM	9/2/22	7:00 AM	7.	The facility experienced a blackout, resulting in CCCT4 (EQT 0004) dropping below MECL. Estimated NOx max. pounds per hour: 52.89 lb/hr - 197.97 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and CCCT4 (EQT 0004) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0004	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33-III 501 C 4]	Records Review	Continuously	9/14/22	5:00 PM	9/14/22	6.00 PM	1	While commissioning the liquefaction facility, an upset occurred, resulting in CCCT4 (EQT 0004) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 125.41 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and CCCT4 (EQT 0004) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0004	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III 501 C 4]	Records Review	Continuously	11/15/22	10.00 PM	11/16/22	10:00 AM	п	High level in cold flare knockout drum tripped all 18 liquefaction trains causing both steam turbines to trip, resulting in CCCT4 (EQT 0004) tripping and dropping below MECL. Estimated NOx max. pounds per hour: 19.37 lb/hr - 138.82 lb/hr	Operators restored CCCT4 (EQT 0004) to MECL
EQT 0005	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III.501 C 4]	Records Review	Continuously	8/24/22	3-60 AM	824/22	5:00 AM	2	occurred due to equipment tripping, resulting in CCCT5 (EQT 0005) dropping into extended lean-lean operating mode Estimated NOx max, pounds per hour, 32-15 lb/hr and	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and CCCT5 (EQT 0005) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.

Additional November accidents are listed on p.12

This 1 phrase is cut and pasted 25 times



Why did they begin operations without an Energy Management System?

					Devi	ation S	ummar	y Repo	rt			
Title V Perm	it Number:		0560-00987-V4			Compa	iny Name		VEN	TURE GLO	BAL CALCASIEU PASS, LLC	
Facility Name		CALCASIEU PASS PROJECT		_		AIN			Number:		194203	
Emission Source No./ Identifier	Pollutant(s)	Permit Condition	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	quired Deviation !		on Began Deviatio		Total No. of	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
1140 1014111111		Number		Compliance Status	Frequency	Date	Time	Date	Time			V
EQT 0005	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33-III 501 C-4]	Records Review	Continuously	8/26/22	7:00 PM	8/26/22	9:00 PM	2	While commissioning the fiquefaction facility, a liquefaction train tripped, resulting in CCCT5 (EQT 0005) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 87.92 lb/hr and 25.34 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and CCCTS (EQT 0005) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premisoperating mode.
EQT 0005	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III 501 C.4]	Records Review	Continuously	9/2/22	4.00 AM	9/2/22	7:00 AM	3	The facility experienced a blackout, resulting in CCCT5 (EQT 0005) dropping below MECL. Estimated NOx max. pounds per hour: 20:08 lb/hr - 51.25 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, narbine loads had to be manually adjusted and CCCT5 (EQT 0005) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0005	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III 501 C 4]	Records Review	Continuously	9/14/22	5:00 PM	9/14/22	6.00 PM	/1	While commissioning the liquefaction facility, an upset occurred due to equipment tripping, resulting in CCCTS (EQT 0005) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 20.42 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and CCCT5 (EQT 0005) was returned to emissions compliance. The EMS became available in November 2022 and will minimize trips of the turbines and will ensure the turbines operate within MECL and within premix operating mode.
EQT 0005	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III 501 C 4]	Records Review	Continuously	12/10/22	8:00 PM	12/10/22	10 00 PM	2	Equipment malfuntion, resulting in CCCT5 (EQT0005) dropping into extended lean-lean operating mode. Estimated NOs max. pounds per hour. 57.75 lb/hr and 35.35 lb/hr	Operators performed a high load transfer of CCCT5 (EQT 0005) to restore the turbine into premix operating mode.
EQT 0005	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III 501 C.4]	Records Review	Continuously	12/15/22	6.00 AM	12/20/22	7:00 PM	5 (intermittently)	Equipment malfunction, resulting in CCCT5 (EQT0005) dropping isto extended lean-lean operating mode. Estimated NOx max. pounds per hour: 41.38 lb/hr + 74.01 lb/hr	Operators performed a high load transfer of CCCT5 (EQT 0005) to restore the turbine into premix operating mode.



EQT 0006

EQT 0006

PM

Operate the source in accordance with the terms and

Operate the source in accordance with the terms and

nditions of this permit. [LAC 33 III 501 C.4]

conditions of this permit. [LAC 33 III 501 C.4]

Records Review

Records Review

Continuously

Continuously

8/31/22

8/31/22

8:00 PM

8:00 PM

11/22/22

11/22/22

10:00 AM

10:00 AM

(intermittently)

(intermittent

Louisiana DEQ Title V Semiannual Monitoring Form

Deviation Summary Report VENTURE GLOBAL CALCASIEU PASS, LLC Title V Permit Number: 0560-00987-V4 Company Name: 194203 CALCASIEU PASS PROJECT Al Number: Facility Name: Method(s) or Other Permit Permit **Deviation Ended Deviation Began** Applicable Compliance Requirement Means For Required Total No. of **Emission Source** Pollutant(s) Deviation/ Cause(s) of Deviation Corrective Action(s) Taken Condition No./ Identifier (Include Rule Citation) Determining Monitoring Hours Number Compliance Status Frequency Date Time Date Time A process upset occurred, resulting in CCCT5 (EQT0005) dropping into extended lean-lean operating mode. Operators performed a high load transfer of Operate the source in accordance with the terms and 10:00 PM CCCT5 (EQT 0005) to restore the turbine into EQT 0005 NOx Records Revsew Continuously 12/21/22 3:00 PM 12/21/22 conditions of this permit. [LAC 33:III 501.C.4] Estimated NOx max. pounds per hour: 18.49 Jb/hr - 187.11 premix operating mode. A process upset occurred, resulting in CCCT5 (EQT0005) dropping into extended lean-lean operating mode. Operators performed a high load transfer of Operate the source in accordance with the terms and 12/22/22 12/22/22 5:00 AM EQT 0005 NOx Records Review Continuously 1:00 AM CCCT5 (EQT 0005) to restore the turbine into conditions of this permit. [LAC 33:III 501 C.4] (intermittently) Estimated NOx max, pounds per hour 24.79 lb/hr - 187.11 premix operating mode. Juring the extreme weather conditions (freeze event), blackout, and the black start of the facility, CCCT5 (EQT 0005) tripped, resulting in the turbine dropping into extended Operators performed a high load transfer of CCCT5 (EQT 0005) to restore the turbine into lean-lean operating mode and experiencing instrumentation Operate the source in accordance with the terms and EQT 0005 NOx Records Review Continuously 12/31/22 12:00 AM 12/31/22 2:00 PM conditions of this permit. [LAC 33 III.501.C.4] (intermittently) premix operating mode; however, the turbine tripped frequently and was shutdown completely Estimated NOx max. pounds per hour: 29.9 lb/hr - 197.89

Knowingly exceeding permits

nel flow rate higher than the current permit basis.

Fuel flow rate higher than the current permit basis:

Estimated PM max. pounds per hour: 0.96 lb/hr - 0.97 lb/hr

O max. pounds per hour: 10.47 lb/hr - 10.76 lb/hr

Rather than solve the problem, they are asking for an emissions increase

Operators reduced fuel flow rate to restore HOH1

(EQT 0006) into emission compliance. Additionally, on March 17, 2023 (EDMS)

(EQT 0006) into emission compliance.

Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasseu Pass

submitted an application for the Renewal and

Significant Modification of the Title V Permit No 0560-00987-V4 to update the maximum hourly

mission rate

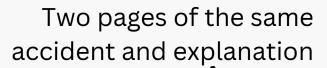
emission rate

Document ID 13730261), Calcasseu Pass

bmitted an application for the Renewal and

Significant Modification of the Title V Permit N 1560-00987-V4 to update the maximum bourly

Operators reduced fuel flow rate to restore HOHI





		-			Devi	ation S	ummar	y Repo	rt			
Title V Perm	it Number:		0560-00987-V4	-		Compa	iny Name:		VEN	TURE GLO	BAL CALCASIEU PASS, LLC	
Facility Name	:	CAL	CASIEU PASS PROJECT			AI Number:					194203	
Emission Source No./ Identifier	Pollutant(s)	Permit Condition	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviati	on Began	Deviatio	n Ended	Total No. of	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
		Number		Compliance Status	Frequency	Date	Time	Date	Time			V
EQT 0006	VOC and HAPs/TAPs	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III.501.C.4]	Records Review	Continuously	8/31/22	8:00 PM	11/22/22	10:00 AM	7 (intermittently)	Fuel flow rate higher than the current permit basis. Estimated VOC max. pounds per hour 0.69 lb/hr - 0.70 lb/hr	Operators reduced fuel flow rate to restore HO (EQT 0006) into emission compliance. Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasieu Pais submitted an application for the Renewal and Significant Modification of the Title V Permit 10560-00987-V4 to update the maximum hourly emission rate.
EQT 9007	co	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III 501 C 4]	Records Review	Continuously	9/1/22	7:00 AM	9/7/22	6:00 AM	3 (intermittently)	Fuel flow rate higher than the current permit basis. Estimated CO max. pounds per hour. 10:44 lb/hr - 10:57 lb/hr	Operators reduced fuel flow rate to restore HO (EQT 0007) into emission compliance. Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasseu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit 9 0560-00987-V4 to update the maximum hourly emission rate.
EQT 0007	PM	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III.501 C.4]	Records Review	Continuously	9/1/22	7:00 AM	9/1/22	8:00 AM	1	Fuel flow rate higher than the current permit basis. Estimated PM max. pounds per hour: 0.96 lb/hr	Operators reduced fuel flow rate to restore HOI (EQT 0007) into emission compliance. Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasseu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit N 0560-00987-V4 to update the maximum hourly emission rate.
EQT 0007	VOC and HAPs/TAPs	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III 501 C.4]	Records Review	Continuously	9/1/22	7:00 AM	9/1/22	8:00 AM	1	Estimated VOC max. pounds per hour 0.69 lb/hr	Operators reduced fuel flow rate to restore HOI (EQT 0007) into emission compliance. Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasteu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit N 0560-00987-V4 to update the maximum hourly emission rate.
EQT 0008	со	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III.501.C.4]	Records Review	Continuously	9/7/22	4 00 AM	12/16/22	6:00 PM	36 (intermittently)	Fuel flow rate higher than the current permit basis. Estimated CO max. pounds per hour: 10.44 lb hr - 12.60 lb hr	Operators reduced fuel flow rate to restore HOI (EQT 0008) into emission compliance. Additionally, on March 17, 2023 (EDMS Document ID 13730261), Calcasieu Pass submitted an application for the Renewal and Significant Modification of the Title V Permit N 0560-00987-V4 to update the maximum hourly

emission rate.



Louisiana DEQ Title V Semiannual Monitoring Form

Deviation Summary Report Company Name: Title V Permit Number: 0560-00987-V4 VENTURE GLOBAL CALCASIEU PASS, LLC 194203 CALCASIEU PASS PROJECT Al Number: Facility Name: Method(s) or Other Permit Permit Deviation Began **Deviation Ended Emission Source** Applicable Compliance Requirement Means For Required Total No. of Pollutant(s) Condition Deviation/ Cause(s) of Dev Corrective Action(s) Taken No./ Identifier (Include Rule Citation) Determining Monitoring Hours Number Compliance Status Frequency Date Time Date Time Operators reduced fuel flow rate to restore HOH3 (EQT 0008) into emission compliance. Additionally, on March 17, 2023 (EDMS Fuel flow rate higher than the current permit basis. Operate the source in accordance with the terms and 26 Document ID 13730261). Calcasieu Pass EQT 0008 Records Review 9/20/22 8:00 AM 12/16/22 6:00 PM Continuously (intermittently) conditions of this permit. [LAC 33 III 501 C 4] Estimated PM max, pounds per hour 0.96 lb/hr + 1.14 lb/hr submitted an application for the Renewal and Significant Modification of the Title V Permit No 0560-00987-V4 to update the maximum hourly emission rate Operators reduced fuel flow rate to restore HOH3 (EQT 0008) into emission compliance. Additionally, on March 17, 2023 (EDMS) Fuel flow rate higher than the current permit basis. Operate the source in accordance with the terms and 32 VOC and Document ID 13730261), Calcasieu Pass EQT 0008 12/16/22 6:00 PM 9/7/22 8:00 AM Records Review Continuously HAPs/TAP submitted an application for the Renewal and onditions of this permit. [LAC 33:III 501.C.4] (intermittently) Estimated VOC max. pounds per hour: 0.69 lb/hr = 0.92 lb/hr Significant Modification of the Title V Permit No 0560-00987-V4 to update the maximum hourly emission rate Operators reduced fuel flow rate to restore HOH4 (EQT 0009) into emission compliance. Additionally, on March 17, 2023 (EDMS fuel flow rate higher than the current permit basis. Document ID 13730261), Calcasseu Pass 40 Operate the source in accordance with the terms and EQT 0009 9/5/22 9:00 AM 9/8/22 1:00 AM CO Records Review Continuously (intermittently) onditions of this permit. [LAC 33:III.501.C.4] submitted an application for the Renewal and Estimated CO max, pounds per hour: 10.44 lb/hr + 10.96 lb/hr Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate Operators reduced fuel flow rate to restore HOH4 (EQT 0009) into emission compliance. Additionally, on March 17, 2023 (EDMS Fuel flow rate higher than the current permit basis. 31 Document ID 13730261). Calcasieu Pass Operate the source in accordance with the terms and EQT 0009 1:00 PM 10:00 AM Records Review Continuously conditions of this permit. [LAC 33:HI.501.C.4] Estimated PM max. pounds per hour: 0.96 lb/hr - 0.99 lb/hr submitted an application for the Renewal and (intermittently) Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly emission rate. Operators reduced fuel flow rate to restore HOH4 (EQT 0009) into emission compliance Additionally, on March 17, 2023 (EDMS Fuel flow rate higher than the current permit basis. Document ID 13730261), Calcasieu Pass VOC and Operate the source in accordance with the terms and 38. EQT 0009 Records Review Continuously 9/5/22 9:00 AM 9/7/22 11:00 AM HAPs/TAPs conditions of this permit. [LAC 33:III.501.C.4] submitted an application for the Renewal and (interminently) Estimated VOC max. pounds per hour: 0.69 lb/hr - 0.72 lb/hr Significant Modification of the Title V Permit No. 0560-00987-V4 to update the maximum hourly



Deviation Summary Report

Title V Permit Number:	0560-00987-V4	Company Name:	VENTURE GLOBAL CALCASIEU PASS, LLC
A STATE OF THE STA		200000000000000000000000000000000000000	

Facility Name:	CALCASIEU PASS PROJECT		AI Number:	194203	
		TAXABLE CONTRACTOR OF			-

Emission Source No./Identifier	Pollutant(s)	Permit Condition	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviation	on Began	Deviatio	n Ended	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
No. ruentmer		Number	(Include Rule Chatton)	Compliance Status	Frequency	Date	Time	Date	Time	inuts .		
EQT 0013 and EQT 0014	Visible Emissions	SRs 52 and 59	Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. [40 CFR 60.18(c)(1)] Opacity ~20 percent, except for emissions that have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33-III 1311.C]	Review Method 9 Reports	Continuously	7/18/22	1:03 PM	7/18/22	2.42 PM	1.7	While commissioning the liquefaction facility, a power outage occurred, resulting in the flare blowers being inoperable, which resulted in visible emissions from the Warm Flare (EQT 0013) and Cold Flare (EQT 0014) which are air-assisted.	Power was restored to the flare blowers
EQT 0013 and EQT 0014	Visible Emissions	SRs 52 and 59	Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60 18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. [40 CFR 60.18(c)(1)] Opacity >> 20 percent, except for emissions that have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33 III 1311.C]	Review Method 9 Reports	Continuously	7/18/22	5 09 PM	7/18/22	6:00 PM	09	While commissioning the liquefaction facility, a power outage occurred, resulting in the flare blowers being inoperable, which resulted in visible emissions from the Warm Flare (EQT 0013) and Cold Flare (EQT 0014) which are air-assisted	Power was restored to the flare blowers.
EQT 0013 and EQT 0014	Visible Emissions		Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. [40 CFR 60.18(c)(1)] Opacity <-20 percent, except for emissions that have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33 III.1311.C]	Review Method 9 Reports	Continuously	7/19/22	12:07 PM	7/19/22	1:00 PM	0.9	While commissioning the liquefaction facility, a power outage occurred, resulting in the flare blowers being moperable, which resulted in visible emissions from the Warm Flare (EQT 0013) and Cold Flare (EQT 0014) which are air-assisted.	Power was restored to the flare blowers.
EQT 0034	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	7/7/22	1:00 PM	7/7/22	2.00 PM	1	0034) dropping into extended lean-lean operating mode	Before the facility's Energy Management Sys (EMS) was commissioned, turbine loads has be manually adjusted and SCCTI (EQT 003 was returned to emissions compliance



Deviation Summary Report

Title V Permit Number: 0560-00987-V4 Company Name: VENTURE GLOBAL CALCASIEU PASS, LLC

Facility Name: CALCASIEU PASS PROJECT AI Number: 194203

Emission Source No./Identifier	Pollutant(s)	Permit Condition	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviation	on Began	Deviatio	n Ended	Total No. of	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
, vos ruemmer	CHI-HIMAN	Number	(Inches) Nan Calabay	Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0035	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537 [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	7/16/22	8 00 AM	7/16/22	900 AM	ā	While commissioning the liquefaction facility, a process upset occurred due to equipment tripping, resulting in SCCT2 (EQT 0035) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour. 46:67 lb/hr	Before the facility's Energy Management Systen (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance.
EQT 0035	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	7/18/22	11:00 PM	7/18/22	12:00 AM	1	A process upset occurred due to equipment tripping, resulting in SCCT2 (EQT 0035) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 60.28 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance
EQT 0035	Nox	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	7/19/22	1.00 PM	7/18/22	4:00 PM	3	While starting up CCCT4 (EQT 0004), the entire plant tripped, resulting in the flame out of SCCT2 (EQT 0035). Estimated NOx max. pounds per hour: 43.9 lb/hr, 72.75 lb/hr, and 78.25 lb/hr.	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance.
EQT 0035	co	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC 33 III 537]	Records Review	Continuously	7/19/22	2.00 PM	7/18/22	3:00 PM	ű	While starting up CCCT4 (EQT 0004), the entire plant tripped, resulting in the flame out of SCCT2 (EQT 0035). Estimated CO max. pounds per hour: 214.09 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT2 (EQT 0035) was returned to emissions compliance.
EQT 0036	VOC and HAPs/TAPs	SK 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC 33 III 537]	Records Review	Continuously	7/20/22	1:00 PM	7/20/22	8:00 PM	4 (intermittently)	Based on further review of fuel flow rates and high heating values, the VOC emissions exceeded the permit limit. Estimated VOC max. pounds per hour: 2.02 lb/hr + 2.22 lb/hr	Calcasieu Pass is reporting these exceedances based on its review of monitoring data. As described by letter dated October 4, 2022 (EDM Document ID 13511174), as of August 29, 2023 SCCT3 (EQT 0036) is no longer operational. The turbine has been converted to the currently permitted, permanent combined cycle operating mode.
EQT 0036	VOC	SR 111	Comply with the requirements of PSD-LA-805 (M-4). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-805 (M-4).	Records Review	Continuously	7/20/22	1:00 PM	7/20/22	3 00 PM	1	Based on further review of fuel flow rates and high heating values, the VOC emissions exceeded the permit limit. Estimated VOC 3-hour average: 2.13 lb/hr	Calcasieu Pass is reporting these exceedances based on its review of monitoring data. As described by letter dated October 4, 2022 (EDM: Document ID 13511174), as of August 29, 2022 SCCT3 (EQT 0036) is no longer operational. Th turbine has been converted to the currently permatted, permanent combined cycle operating mode.



Deviation Summary Report

Title V Permit Number:	0560-00987-V4	Company Name:	VENTURE GLOBAL CALCASIEU PASS, LLC
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Facility Name: CALCASIEU PASS PROJECT AI Number: 194203

25-110 23		Permit	V 2000/03 - 40 - 201-4 - 100	Method(s) or Other	Permit	Deviatio	on Began	Deviatio	n Ended	54778465- 802		
No./ Identifier	Pollutant(s)	Condition Number	Applicable Compliance Requirement (Include Rule Citation)	Means For Determining	Required Monitoring	Deviati	on began	Leviano	n Enucu	Total No. of Hours	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
		i i i i i i i i i i i i i i i i i i i		Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III 535 and Louisiana General Conditions as set forth in LAC 33:III 537 [LAC 33:III 535, LAC33:III 537]	Records Review	Continuously	7/1/22	9:00 AM	7/1/22	10:00 AM	1	While commissioning the Isquefaction facility, a process upset occurred due to equipment tripping, resulting in SCCT3 (EQT 0036) going into extended lean-lean operating mode Estimated NOx max. pounds per hour: 51.41 lb/hr	Before the facility's Energy Management Syste (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance.
EQT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III 535 and Louisiana General Conditions as set forth in LAC 33:III 537. [LAC 33:III 535, LAC 33:III 537]	Records Review	Continuously	7/8/22	4.00 PM	7/8/22	5:00 PM	212	While commissioning the liquefaction facility, a process upset occurred due to equipment tripping, resulting SCCT3 (EQT 0036) going into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 51.67 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance.
EQT 9036	со	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III 535 and Louisiana General Conditions as set forth in LAC 33:III 537. [LAC 33:III 535, LAC33:III 537]	Records Review	Continuously	7/18/22	3:00 PM	7/18/22	4:00 PM	1	A process upset occurred due to equipment tripping, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated CO max. pounds per hour: 70.09 lb-hr	Before the facility's Energy Management Syster (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance.
EQT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33-III 535 and Louisiana General Conditions as set forth in LAC 33-III 537. [LAC 33-III 535, LAC33-III 537]	Records Review	Continuously	7/18/22	10:00 PM	7/18/22	12 00 AM	2	A process upset occurred due to equipment tripping, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 50 30 lb/hr - 58.63 lb/hr	Before the facility's Energy Management Syster (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance.
EQT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33-III 535 and Louissana General Conditions as set forth in LAC 33-III 537. [LAC 33-III 535, LAC 33-III 537]	Records Review	Continuously	7/19/22	3.00 PM	7/19/22	4 00 PM	а	While commissioning the liquefaction facility, a process upset occurred due to equipment tripping, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 55.09 lb/hr	
QT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	7/19/22	7:00 PM	7/19/22	8:00 PM	Э	While commissioning the liquefaction facility, a process upset occurred due to equipment tripping, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode Estimated NOx max, pounds per hour: 43.72 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance
QT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	7/25/22	6.00 AM	7/25/22	7.00 AM	j.	0036) dropping into extended lean-lean operating mode	Before the facility's Energy Management Syster (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance.



Deviation Summary Report

Title V Permit Number	: 0560-00987-V4	Company Name:	VENTURE GLOBAL CALCASIEU PASS, LLC	
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Facility Name: CALCASIEU PASS PROJECT AI Number: 194203

Facility Name:		CAL	CASIEU PASS PROJECT			AI Number: 194203						
Emission Source No./ Identifier	Pollutant(s)	A THEORY OF THE PARTY OF THE PA	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviation	on Began	Deviatio	n Ended	Total No. of	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
		Number		Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC33:III.537]	Records Review	Continuously	7/25/22	6:00 AM	7/25/22	7 00 AM	41	While commissioning the liquefaction facility, a process upset occurred due to equipment tripping, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 94.61 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance.
EQT 0036	NOx	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	8/17/22	10:00 AM	8/17/22	11:00 AM	1	While commissioning the liquefaction facility, a process upset occurred due to equipment tripping, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated NOx max pounds per hour: 53.45 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance.
EQT 0036	NOx		Comply with the Part 70 General Conditions as set forth in LAC 33:III 535 and Louisiana General Conditions as set forth in LAC 33:III 537. [LAC 33:III 535, LAC 33:III 537]	Records Review	Continuously	826/22	9:00 AM	8/26/22	9.00 PM	8 (intermittently)	While commissioning the liquefaction facility, a process upset occurred due to equipment tripping, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode. Estimated NOx max. pounds per hour: 42.79 lb/hr - 243.08 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance
EQT 0036	со	SR 120	Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC 33 III 537]	Records Review	Continuously	8/26/22	1:00 PM	8/26/22	2:00 PM	1	While commissioning the liquefaction facility, a process upset occurred due to equipment tripping, resulting in SCCT3 (EQT 0036) dropping into extended lean-lean operating mode Estimated CO max. pounds per hour: 120.50 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance.
EQT 0036	NOx		Comply with the Part 70 General Conditions as set forth in LAC 33 III 535 and Louisiana General Conditions as set forth in LAC 33 III 537. [LAC 33 III 535, LAC33 III 537]	Records Review	Continuously	8/28/22	1:00 PM	8/28/22	3 00 PM	2		Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and SCCT3 (EQT 0036) was returned to emissions compliance
QT 0051	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III 501 C 4]	Records Review	Continuously	10/27/22	11:00 AM	10/27/22	12:00 PM	1	A process upset occurred due to equipment tripping, resulting in ASCCT1 (EQT 0051) tripping. Estimated NOx max, pounds per hour: 3.31 lb/hr	Before the facility's Energy Management System (EMS) was commissioned, turbine loads had to be manually adjusted and ASCCT1 (EQT 0051) was returned to emissions compliance.



Title V Permit Number: 0560-00987-V4 Company Name: VENTURE GLOBAL CALCASIEU PASS, LLC Facility Name: CALCASIEU PASS PROJECT AI Number: 194203 | Permit | Method(s) or Other | Permit | Decision Forded | Permit | Permit

Emission Source No./Identifier	Pollutant(s)	CPA-SUMMER CREATERING	Applicable Compliance Requirement (Include Rule Citation)	Method(s) or Other Means For Determining	Permit Required Monitoring	Deviation	on Began	Deviatio	n Ended	Total No. of	Deviation/ Cause(s) of Deviation	Corrective Action(s) Taken
A Tarmines	-	Number	(Intract National)	Compliance Status	Frequency	Date	Time	Date	Time			
EQT 0051	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33 III 501 C 4]	Records Review	Continuously	11/17/22	1:00 AM	11/17/22	11:00 AM	to	High level in cold flare knockout drum tripped all 18 liquefaction trains causing both steam turbines to trip, resulting in ASCCT1 (EQT 0051) tripping and dropping below MECL.	Operators restored ASCCT1 (EQT 0051) to MECL.
											Estimated NOx max. pounds per hour: 11.84 lb/hr - 29.29 lb/hr	
EQT 0051	NOx	SR 111	Comply with the requirements of PSD-LA-805 (M-4). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-	Records Review	Continuously	11/17/22	1:00 AM	11/17/22	11:00 AM	5	High level in cold flare knockout drum tripped all 18 liquefaction trains causing both steam turbines to trip, resulting in ASCCT1 (EQT 0051) tripping and dropping below MECL.	Operators restored ASCCT1 (EQT 0051) to MECL.
			LA-805 (M-4)								Estimated 2-hour avg. NOx pounds per hour. 22.03 lb/hr - 28.95 lb/hr	Section 10
EQT 0051	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33-III-501-C-4]	Records Review	Continuously	12/22/22	8 00 AM	12/122/22	3.00 PM	3 (intermittently)	Combustion chamber inner staging valve position feedback failure, resulting in ASCCT1 (EQT 0051) operating in Dry-Low Emission (DLE) Mode. Estimated NOx max. pounds per hour: 2.73 lb/hr - 5.17 lb/hr	Operators implemented corrective measures at ASCCT1 (EQT 0051) was returned to emissis compliance.
GQT 00\$1	NOx	SR 105	Operate the source in accordance with the terms and conditions of this permit. [LAC 33:III 501 C.4]	Records Review	Continuously	12/23/22	11:00 PM	12/27/22	3:90 AM	77	During the extreme weather conditions (freeze event), facility blackout, and the black start of the facility, ASCCT1 (EQT 0051) tripped multiple times and experienced instrumentation issues. Estimated NOx max. pounds per hour: 2.76 lb/hr = 40.67 lb/hr	Operators restored ASCCTI (EQT 0051) to MECL as soon as practical after the extreme weather event had passed and instrumentation issues caused by the extreme weather could be resolved.
QT 0051	NOx	SK 111	Comply with the requirements of PSD-LA-805 (M-4). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD- LA-805 (M-4).	Records Review	Continuously	12/23/22	11:00 PM	12/27/22	3:00 AM	28 (intermittently)	During the extreme weather conditions (freeze event), facility blackout, and the black start of the facility, ASCCT1 (EQT 0051) tripped multiple times and experienced instrumentation issues. Estimated 2-hour avg. NOx pounds per hour. 15.8 lb-hr - 20.1 lb-hr	Operators restored ASCCT1 (EQT 0051) to MECL as soon as practical after the extreme weather event had passed and instrumentation issues caused by the extreme weather could be resolved.