PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
CREOLE TRAIL LNG, L.P., CREOLE TRAIL LNG IMPORT TERMINAL
PROPOSED INITIAL PART 70 AIR OPERATING PERMIT & PSD PERMIT

The LDEQ, Office of Environmental Services, is accepting written comments on an Initial Part 70 Air Operating Permit and Initial PSD Permit for Creole Trail LNG, L.P., 700 Milam Street, Suite 800, Houston, TX 77002 for the Creole Trail LNG Import Terminal. **The facility is located at Calcasieu Pass off Hwy 27, 4 Mi NW of Cameron, Cameron Parish.**

Creole Trail LNG, L.P., a wholly owned subsidiary of Cheniere LNG, Inc., requested an initial Part 70 and PSD Air permits for a proposed LNG import terminal. The terminal will import, store, and vaporize liquefied natural gas (LNG) for supply to US natural gas markets. The average send out rate will be 3.3 MMM scf/day (billion cubic feet per day) of gasified LNG, with an installed capacity of approximately 3.84 MMM scf/day of gasified LNG. A pipeline system will be built connecting the new LNG terminal with existing interstate and intrastate natural gas pipeline systems to provide access to Gulf Coast, Midwest, Northeast, and Atlantic markets.

The facility will consist of a ship unloading slip with two protected berths, four LNG storage tanks, twenty-one high pressure LNG send out pumps; twenty-one submerged combustion vaporizers (SCVs); three boil off gas (BOG) compressors; and ancillary utilities, buildings, and service facilities including four 30 MW generator turbines, two 1500 kW standby diesel generators; and two diesel firewater pumps rated at 660 hp and 550 hp, respectively. Potential emissions of NOx, CO, PM/PM10 and VOC (ozone) require review under the PSD program, LAC 33:III.509. Refined modeling was not required for PM/PM10 and CO. Refined modeling for NOx demonstrates compliance with the NOx NAAQS and Class II Increment. The degree of increment consumption equals 10.16 µg/m3.

Estimated emissions due to this facility, in tons per year, are as follows:

Pollutant	Emissions	Prevention Of Significant Deterioration (PSD)	
		Major Source Level	de minimis
PM	49.208	100	25
PM_{10}	49.208	100	15
SO_2	4.82	100	40
NO_x	867.86	100	40
CO	944.06	100	100
VOC*	52.79	100	40

* VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):	
Pollutant	**Emissions**
1,3 Butadiene	0.020
Acetaldehyde	0.266
Acrolein	0.036
Benzene	0.090
Ethylbenzene	0.173
Formaldehyde	3.474
n-Hexane	0.025
Naphthalene	0.012
PAH	0.018
Toluene	0.696

Xylene	0.367
Total VOC TAPs	5.177
Other VOCs	47.613

Increases in NOx and CO above major source thresholds trigger review under the PSD program and LAC 33:III.509. Increases of particulate matter (PM/PM_{10}) and VOC are significant and will also require PSD review.

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, July 19, 2007.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit applications, proposed part 70 air operating permit, proposed PSD permit, environmental impact statement, and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at the Cameron Parish Library - Headquarters, 498 Marshall Street, Cameron LA 70631.

Inquiries or requests for additional information regarding this permit action should be directed to Ms. Pamela Hartley, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3108.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 130402,

Permit Name	Permit Number	Activity Tracking Number
Part 70 Permit	**0560-00239-V0**	**PER20050001**
PSD Permit	**PSD-LA-714**	**PER20050002**

Scheduled Publication Date: Thursday, June 14, 2007.

DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.

Activity No. PER20050001
Agency Interest No. 130402

Darron Granger
Vice President
Creole Trail LNG, L.P.
c/o Chenier Energy , Inc.
700 Milam St., Ste. 800
Houston, TX 77002

RE: Part 70 Operating Permit, Creole Trail LNG, L.P. - Creole Trail LNG Import Terminal
Creole Trail LNG, LP, Cameron, Cameron Parish, Louisiana

Dear Mr. Granger:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ___ of _____, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007.

Permit No.: 0560-00239-V0

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB:plh
c: EPA Region VI

ENVIRONMENTAL **SERVICES**
: PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Creole Trail LNG, L.P. - Creole Trail LNG Import Terminal
Agency Interest No. 130402
Creole Trail LNG, L.P.
Cameron, Cameron Parish, Louisiana

I. Background

Creole Trail LNG, L.P., a subsidiary of Cheniere LNG, Inc., proposes to construct a liquefied natural gas (LNG) import terminal, to be known as Creole Trail LNG Import Terminal, near Calcasieu Pass off Hwy 27, 4 miles northwest of Cameron, LA, in Cameron Parish.

The terminal will import, store, and vaporize LNG (SICC 4922) for supply to US natural gas markets. The average send out rate will be 3.3 MMM scf/day (billion cubic feet per day) of gasified LNG, with an installed capacity of approximately 3.84 MMM scf/day of gasified LNG. A pipeline system will be built connecting the new LNG terminal with existing interstate and intrastate natural gas pipeline systems to provide access to Gulf Coast, Midwest, northeast, and Atlantic markets.

This is the initial Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Creole Trail LNG, L.P. dated August 16, 2005, along with supplemental information dated October 19, November 3, 8, 9, and 30, and December 21, 2005, and January 6, February 3, April 13, and May 11, 2006, requesting a Part 70 operating permit and a PSD permit for Creole Trail LNG Import Terminal. PSD-LA-714 is associated with this facility.

III. Description

Creole Trail LNG Import Terminal is an onshore facility, which will import, store, and vaporize liquefied natural gas (LNG) for supply to US natural gas markets. The average send out rate will be 3.3 MMM scf/day (billion cubic feet per day) of gasified LNG, with an installed capacity of approximately 3.84 MMM scf/day of gasified LNG. A pipeline system will be built connecting the new LNG terminal with existing interstate and intrastate natural gas pipeline systems to provide access to Gulf Coast, Midwest, northeast, and Atlantic markets.

The new LNG terminal will consist of the following:

- A ship unloading slip with two protected berths, each equipped with three unloading arms and one vapor return arm;
- Four LNG storage tanks, each with a usable volume of 5.65 MM scf (million cubic feet);
- Twenty-one high pressure LNG send out pumps, each with a capacity of 1692 gallons/min;
- Twenty-one submerged combustion vaporizers (SCVs), each with a capacity of 183 MM scf/day
- Three boil off gas (BOG) compressors; and

- Ancillary utilities, buildings, and service facilities at the LNG terminal including four generator turbines, capable of generating 30 MW each and a total of 56.6 MW of electrical power; two standby diesel generators capable of generating 1500 kW each; and two diesel firewater pumps rated at 660 hp and 550 hp, respectively.

Liquefied natural gas (LNG) will be received from marine tankers berthed at the terminal's loading dock. LNG is transferred by onboard ship pumps from the marine vessels into cryogenic storage tanks via stainless steel unloading arms and cryogenic piping. Each berth will have one unloading arm equipped to operate in either liquid or vapor service, and all three unloading arms will be free draining and connected to nitrogen gas for displacing LNG prior to disconnect. During unloading, vapor return blowers, three operating and one which is a spare, will return to the ship a portion of the boil-off gas (BOG) from the BOG condenser system at approximately 10 psig in order to balance the volume of LNG extracted from the ship.

Cryogenic storage consist of four double walled, single containment, top entry LNG storage tanks with three electric driven submersible LNG pumps and one spare pump installed in each tank. The insulated tanks are designed to store LNG at a temperature of -260 degrees Fahrenheit and a maximum internal pressure of 2.5 psig. All piping will penetrate from the top of the tanks for safety concerns. The LNG pumps deliver LNG to the high-pressure send out pumps via the BOG condenser system. The send out pumps route LNG to the vaporizers to be converted to natural gas. The vaporized natural gas is measured and sent to transmission pipelines.

The submerged combustion vaporizers (SCVs) are highly efficient systems used to vaporize incoming liquid natural gas from a temperature of -260 F to 40 F. Each SCV contains a burner unit, a tube bundle, and a weir assembly. The vaporizer tank encloses these components. The weir assembly contains a water bath in which the tube bundle is submerged. The burner unit, which is partially submerged in water, combusts natural gas and routes the product directly into the water bath causing a rising froth flow. This rising flow is confined within the weir assembly, which surrounds the tube bundle. The water falls back over the weir assembly to contact with the partially submerged burner before recirculation occurs. Because the combustion products directly contact the water bath, the submerged combustion vaporizer systems are able to reach heat transfer efficiencies between 90 and 99%.

Excess vapor will be removed from the LNG storage tanks to control pressure. This vapor will be compressed to 90 psig in the BOG compressors. Fuel gas for the SCVs will be taken from this source and the remaining compressed gas will be mixed with part of the LNG from the in-tank pumps and condensed in the BOG condenser system. Should a facility upset occur, natural gas may be vented to the atmosphere from pressure relief valves at the top of the storage tanks. In addition, two vents stacks are provided to vent high pressure and low pressure natural gas released under emergency conditions. Relief valves having a set pressure less than 75 psig will discharge to the low pressure vent stack. BOG may temporarily be released to the low pressure vent when it exceeds the vapor handling system capacity during upsets such as equipment malfunction or power failure. Relief valves having a set pressure greater than 75 psig will discharge to the high pressure vent stack. The vent system will be swept with nitrogen gas to prevent flammable conditions in the piping.

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AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Creole Trail LNG, L.P. - Creole Trail LNG Import Terminal
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Creole Trail LNG, L.P.
Cameron, Cameron Parish, Louisiana

Four turbines, capable of generating 30 MW each and a total of 56.6 MW of electrical power, will be installed at the facility. The turbines will only be used to power the Creole Trail LNG Import Terminal. There will be no power sold to the electrical grid. These turbines will operate continuously.

Standby diesel generators will be installed to serve as reliable sources of power for lighting and other emergency equipment in the event of a prolonged power failure. These generators will each be limited to 500 hours per year of operation, except as specified in this permit for operation in an emergency situation with prior approval by DEQ.

Diesel engine firewater pumps will be installed to serve as a reliable water source in the event electric power is lost during a fire. These firewater pumps will be rated at 660 hp and 550 hp, respectively, and will each be limited to 500 hours per year of operation.

Construction is scheduled to begin in 2007 with operation commencing in the second half of 2010. Emission sources associated with the proposed Creole Trail LNG Import Terminal include the twenty-one SCVs, the four generator turbines, two standby generators, two firewater pumps, and fugitive and insignificant emission sources.

Estimated emissions, in tons per year, are as follows:

		Prevention Of Significant Deterioration (PSD)		
Pollutant	**Emissions**	**Major Source Level**	**de minimis**	**Review required?**
PM	49.208	100	25	Yes
PM_{10}	49.208	100	15	Yes
SO_2	4.82	100	40	No
NO_x	867.86	100	40	Yes
CO	944.06	100	100	Yes
VOC*	52.79	100	40	Yes

* Surrogate for ozone

* VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	**Emissions**	**Pollutant**	**Emissions**
1,3-Butadiene	0.020	n-Hexane	0.025
Acetaldehyde	0.266	Naphthalene	0.012
Acrolein	0.036	PAH	0.018
Benzene	0.090	Toluene	0.696
Ethylbenzene	0.173	Xylenes	0.367
Formaldehyde	3.474		
		Total VOC TAPs	5.177
		Other VOCs	47.613

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Creole Trail LNG, L.P. - Creole Trail LNG Import Terminal
Agency Interest No. 130402
Creole Trail LNG, L.P.
Cameron, Cameron Parish, Louisiana

Increases in NO_x and CO above major source thresholds trigger review under the PSD program and LAC 33:III.509. Increases of particulate matter (PM/PM_{10}) and VOC are significant and will also require PSD review.

BACT Requirements

NO_x, CO, PM/PM_{10}, and VOC emissions are above PSD de minimis levels and must undergo PSD analysis. Controls of these emissions were analyzed using a "top down" approach. The selection of control technology based on the Best Available Control Technology (BACT) analysis included consideration of control of toxic materials. A complete BACT analysis for this facility can be found in PSD-LA-714 to be issued concurrent with this permit. The following is determined as BACT:

For the four LNG Storage Tanks, Dock, and Terminal: limit VOC emissions by employing good control and operating practices.

For each Submerged Combustion Vaporizers: use low NO_x burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit exhaust emissions as specified in Specific Condition 1 of PSD-LA-714.

For the Emergency Diesel Firewater Pump and Booster Pump Engines: use equipment to provide power to pump water for fire suppression or protection and operate only during emergency situations, except for periodic use required for testing and maintenance of the unit; employ good combustion practices and good engine design incorporating Fuel Injection Timing Retardation (ITR) with consideration to the optimization of fuel consumption, emissions, and required performance, use low ash and low sulfur diesel, and limit exhaust emissions as specified in Specific Condition 1 of PSD-LA-714.

Emergency Diesel Generators: equipment shall operate only during emergency situations, except for periodic use required for testing and maintenance of the unit; employ good combustion practices and good engine design incorporating Fuel Injection Timing Retardation (ITR) with consideration to the optimization of fuel consumption, emissions, and required performance, use low ash and low sulfur diesel, and limit exhaust emissions as specified in Specific Condition 1 of PSD-LA-714.

Generator Turbines: use Dry Low Emissions (DLE) combustor technology with lean premix of air and fuel, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit exhaust emissions as specified in Specific Condition 1 of PSD-LA-714.

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Agency Interest No. 130402
Creole Trail LNG, L.P.
Cameron, Cameron Parish, Louisiana

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and Prevention of Significant Deterioration (PSD). National Emission Standards for Hazardous Air Pollutants (NESHAP) do (not) apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Facility is also an area source of HAPs under 40 CFR Part 63.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the proposed project was published in *The Advocate*, Baton Rouge, Louisiana, on <<Date>>, 2007; and in <<*Local Paper*>>, <<City>>, Louisiana, on <<Date>>, 2007. Copies of the public notice were also mailed to individuals who have requested to be placed on the mailing list maintained by the Office of Environmental Services on <<Date>>, 2007. A proposed permit was also submitted to U.S. EPA Region VI on <<Date>>, 2007, and the Texas Commission on Environmental Quality on <<Date>>, 2007. All comments will be considered prior to a final permit decision.

A technical review of the working draft of the proposed permit, initiated on May 14, 2007, was conducted by facility representatives. Several remarks received during the technical review were incorporated into the proposed permit. A summary of the remarks received during the technical review period and the Air Permit Division's response is part of the permit review package and is made available for review during the public comment period.

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VII. Effects on Ambient Air

Dispersion Model(s) Used: ISCST3 modeling analyses (PM10, CO), ISCST3 refined modeling analyses (NOx)

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})	Modeled PSD Increment Consumption	Allowable Class II PSD Increment
PM_{10}	24-hour	4.92 $\mu g/m^3$	150 $\mu g/m^3$		
NO_x	Annual	44.75 $\mu g/m^3$	100 $\mu g/m^3$	10.16 $\mu g/m^3$	25 $\mu g/m^3$
CO	1-hour	1036.16 $\mu g/m^3$	40,000 $\mu g/m^3$		
CO	8-hour	456.74 $\mu g/m^3$	10,000 $\mu g/m^3$		

VIII. General Condition XVII Activities

ID No.	Description	Frequency	Pollutant	TPY
A-01	LNG pipeline depressurizing for scheduled periodic metering, purging, and maintenance activities	TBD	VOC	< 5.0
LNG Quality Testing	Process stream analyzers, product laboratory emissions from monitoring LNG quality	TBD	VOC	< 5.0

All General Condition XVII Activities shall meet the requirements to submit emission inventory data to comply with LAC 33:III.919. Emission Inventory.

IX. Insignificant Activities

ID No.	Description	Citation
DSLTNK-01	Diesel Fuel Oil Storage Tank, <10,000 gals/yr, VOC <0.002 ton/yr	LAC 33:III.501.B.5.A.3
DSLTNK-02	Diesel Fuel Oil Storage Tank, <10,000 gals/yr, VOC <0.002 ton/yr	LAC 33:III.501.B.5.A.3
DSLTNK-03	Diesel Fuel Oil Storage Tank, <10,000 gals/yr, VOC <0.002 ton/yr	LAC 33:III.501.B.5.A.3
DSLTNK-04	Diesel Fuel Oil Storage Tank, <10,000 gals/yr, VOC <0.002 ton/yr	LAC 33:III.501.B.5.A.3

All insignificant activities shall meet the requirements to submit emission inventory data to comply with LAC 33:III.919. Emission Inventory.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
TABLE 1. APPLICABLE LOUISIANA AND FEDERAL AIR QUALITY REQUIREMENTS

Creole Trail LNG LP - Creole Trail LNG Import Terminal
Agency Interest No. 130402
Creole Trail LNG, L.P.
Cameron, Cameron Parish, Louisiana

		LAC 33:III. Chapter																						
ID No.	Description	5▲	9	11	13	15	2103	2104*	2107	2108	2109	2111	2113	2115	2116*	2121	2122	2123	2125	22	29*	51*	56	59*
GRP 1	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	1	1	1	1			2					1								3	3	1	2
NA	(4) LNG Storage Vessels						3																	
NA	LNG Dock and Terminal									3														
EQT 1	FWP1 - Firewater Pump 660 hp Diesel Engine	1		1	1	2																		
EQT 2	FWP2 - Firewater Pump 525 hp Diesel Engine	1		1	1	2																		
EQT 3	GEN1 - Diesel Emergency Generator No. 1	1		1	1	2																		
EQT 4	GEN2 - Diesel Emergency Generator No. 2	1		1	1	2																		
EQT 5	GT1 - 30 MW Gas Turbine Generator No. 1	1		1	1	2																		
EQT 6	GT2 - 30 MW Gas Turbine Generator No. 2	1		1	1	2																		
EQT 7	GT3 - 30 MW Gas Turbine Generator No. 3	1		1	1	2																		
EQT 8	GT4 - 30 MW Gas Turbine Generator No. 4	1		1	1	2																		
EQT 9	SCV01 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 10	SCV02 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 11	SCV03 - Submerged Combustion Vaporizer	1		1	1	2																		

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Cameron, Cameron Parish, Louisiana

		LAC 33:III. Chapter																						
ID No.	Description	5▲	9	11	13	15	2103	2104*	2107	2108	2109	2111	2113	2115	2116*	2121	2122	2123	2125	22	29*	51*	56	59*
EQT 12	SCV04 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 13	SCV05 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 14	SCV06 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 15	SCV07 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 16	SCV08 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 17	SCV09 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 18	SCV10 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 19	SCV11 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 20	SCV12 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 21	SCV13 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 22	SCV14 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 23	SCV15 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 24	SCV16 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 25	SCV17 - Submerged Combustion Vaporizer	1		1	1	2																		

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		LAC 33:III. Chapter																						
ID No.	**Description**	**5▲**	**9**	**11**	**13**	**15**	**2103**	**2104***	**2107**	**2108**	**2109**	**2111**	**2113**	**2115**	**2116***	**2121**	**2122**	**2123**	**2125**	**22**	**29***	**51***	**56**	**59***
EQT 26	SCV18 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 27	SCV19 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 28	SCV20 - Submerged Combustion Vaporizer	1		1	1	2																		
EQT 29	SCV21 - Submerged Combustion Vaporizer	1		1	1	2																		
FUG 1	FUG - Fugitive Emissions											1												

* The regulations indicated above are State Only regulations.
▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified, or reconstructed since the regulations have been in place. If the specific criteria changes, the source will have to comply at a future date.
3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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Creole Trail LNG LP - Creole Trail LNG Import Terminal
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Cameron, Cameron Parish, Louisiana

		40 CFR 60											40 CFR 61				40 CFR 63			40 CFR Part			
ID No.	Description	A	D	Db	Dc	K	Ka	Kb	GG	KKK	IIII	KKKK	A	M	V	FF	A	HHH	ZZZZ	64	68	70	82
GRP 1	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	1															3	3	3	3	3	1	
NA	LNG Storage Vessels																						
NA	LNG Dock and Terminal																						
EQT 1	FWP1 - Firewater Pump 660 hp Diesel Engine	1									1								3				
EQT 2	FWP2 - Firewater Pump 525 hp Diesel Engine	1									1								3				
EQT 3	GEN1 - Diesel Emergency Generator No. 1	1									1								3				
EQT 4	GEN2 - Diesel Emergency Generator No. 2	1									1								3				
EQT 5	GT1 - 30 MW Gas Turbine Generator No. 1	1										1											
EQT 6	GT2 - 30 MW Gas Turbine Generator No. 2	1										1											
EQT 7	GT3 - 30 MW Gas Turbine Generator No. 3	1										1											
EQT 8	GT4 - 30 MW Gas Turbine Generator No. 4	1										1											
EQT 9	SCV01 - Submerged Combustion Vaporizer																			3			
EQT 10	SCV02 - Submerged Combustion Vaporizer																			3			
EQT 11	SCV03 - Submerged Combustion Vaporizer																			3			

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
TABLE 1. APPLICABLE LOUISIANA AND FEDERAL AIR QUALITY REQUIREMENTS

Creole Trail LNG LP - Creole Trail LNG Import Terminal
Agency Interest No. 130402
Creole Trail LNG, L.P.
Cameron, Cameron Parish, Louisiana

		40 CFR 60											40 CFR 61				40 CFR 63			40 CFR Part			
ID No.	Description	A	D	Db	Dc	K	Ka	Kb	GG	KKK	IIII	KKKK	A	M	V	FF	A	HHH	ZZZZ	64	68	70	82
EQT 12	SCV04 - Submerged Combustion Vaporizer																			3			
EQT 13	SCV05 - Submerged Combustion Vaporizer																			3			
EQT 14	SCV06 - Submerged Combustion Vaporizer																			3			
EQT 15	SCV07 - Submerged Combustion Vaporizer																			3			
EQT 16	SCV08 - Submerged Combustion Vaporizer																			3			
EQT 17	SCV09 - Submerged Combustion Vaporizer																			3			
EQT 18	SCV10 - Submerged Combustion Vaporizer																			3			
EQT 19	SCV11 - Submerged Combustion Vaporizer																			3			
EQT 20	SCV12 - Submerged Combustion Vaporizer																			3			
EQT 21	SCV13 - Submerged Combustion Vaporizer																			3			
EQT 22	SCV14 - Submerged Combustion Vaporizer																			3			
EQT 23	SCV15 - Submerged Combustion Vaporizer																			3			
EQT 24	SCV16 - Submerged Combustion Vaporizer																			3			
EQT 25	SCV17 - Submerged Combustion Vaporizer																			3			

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
TABLE 1. APPLICABLE LOUISIANA AND FEDERAL AIR QUALITY REQUIREMENTS

Creole Trail LNG LP - Creole Trail LNG Import Terminal
Agency Interest No. 130402
Creole Trail LNG, L.P.
Cameron, Cameron Parish, Louisiana

		40 CFR 60											40 CFR 61				40 CFR 63			40 CFR Part			
ID No.	Description	A	D	Db	Dc	K	Ka	Kb	GG	KKK	IIII	KKKK	A	M	V	FF	A	HHH	ZZZZ	64	68	70	82
EQT 26	SCV18 - Submerged Combustion Vaporizer																			3			
EQT 27	SCV19 - Submerged Combustion Vaporizer																			3			
EQT 28	SCV20 - Submerged Combustion Vaporizer																			3			
EQT 29	SCV21 - Submerged Combustion Vaporizer																			3			
FUG 1	FUG - Fugitive Emissions																						

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified, or reconstructed since the regulations have been in place. If the specific criteria changes, the source will have to comply at a future date.
3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
TABLE 2. APPLICABLE LOUISIANA AND FEDERAL AIR QUALITY REQUIREMENTS
EXPLANATION FOR EXEMPTION STATUS OR NON-APPLICABILITY OF A SOURCE

Creole Trail LNG LP - Creole Trail LNG Import Terminal
Agency Interest No. 130402
Creole Trail LNG, L.P.
Cameron, Cameron Parish, Louisiana

ID No:	Requirement	Notes
Facility	Compliance Assurance Monitoring (CAM) [40 CFR 64]	DOES NOT APPLY. Emission sources are not equipped with add-on controls or would trigger MACT if uncontrolled.
	Subpart HHH - National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities [40 CFR 63]	DOES NOT APPLY. Facility is a minor source of hazardous air pollutants. If increases in emissions above current permit limits occur such that major source thresholds are exceeded, the permittee shall submit a permit modification to propose changes to maintain minor source status or propose compliance with 40 CFR 63 Subpart HHH requirements.
	Chemical Accident Prevention Provisions [40 CFR 68] Chemical Accident Prevention and Minimization of Consequences [LAC 33:III.Chapter 59]	DOES NOT APPLY. Per LAC 33:III.5907, facility does not produce, process, handle, or store any substance listed in paragraph 68.130 or Tables 59.0 and 59.1 of Chapter 59 in an amount greater than the threshold quantity.
	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.Chapter 51]	DOES NOT APPLY. Per LAC 33:III.5101.A, facility is not a major source for Toxic Air Pollutants (TAPs) under Chapter 51 of LAC 33:III. TAP Emissions from the combustion of Group 1 virgin fossil fuels are exempt, per LAC 33.III.5105.B.3.a.
	Odor Regulations [LAC 33:III.Chapter 29]	DOES NOT APPLY. Per LAC 33:III.2901.B, facility is not a source of odorous substances emitted into the ambient air.
	Crude Oil and Condensate [LAC 33:III.2104]	DOES NOT APPLY. Per LAC 33:III.2104.A, potential flash emissions are less than 100 TPY of VOC.
LNG Dock and Terminal	Emission Standards for Volatile Organic Compounds (VOCs) - Marine Vapor Recovery [LAC 33:.III.2108]	DOES NOT APPLY. Unloading of LNG with a VOC true vapor pressure <1.5 psia at loading temperature (-260 F) and pressure (75 psig)
LNG Storage Vessels	Control of Emissions of Organic Compounds-Storage of volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tanks are used to store LNG with a VOC true vapor pressure <1.5 psia at storage temperature (-260 F) and pressure (2.5 psig). [LAC 33:III.2103.B]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
TABLE 2. APPLICABLE LOUISIANA AND FEDERAL AIR QUALITY REQUIREMENTS
EXPLANATION FOR EXEMPTION STATUS OR NON-APPLICABILITY OF A SOURCE

Creole Trail LNG LP - Creole Trail LNG Import Terminal
Agency Interest No. 130402
Creole Trail LNG, L.P.
Cameron, Cameron Parish, Louisiana

ID No:	Requirement	Notes
EQT 1, EQT 2, EQT 3, & EQT 4 Diesel Engines	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) [40 CFR 63, Subpart ZZZZ]	DOES NOT APPLY. Facility is a minor source of hazardous air pollutants. If increases above current permit emissions limits occur such that major source thresholds are exceeded, the permittee shall submit a permit modification to propose changes to maintain minor source status or propose compliance with 40 CFR 63 Subpart ZZZZ requirements.
EQT 1 thru EQT 29 Combustion Sources	Emission Standards for Sulfur Dioxide Emission Limitations [LAC 33:III.1503.C] Emission Standards for Sulfur Dioxide Recordkeeping and Reporting [LAC 33:III.1513]	EXEMPT. Unit emits less than 250 tons of SO_2 per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO_2 standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.
EQT 9 thru EQT 29 Submerged Combustion Vaporizers	Compliance Assurance Monitoring (CAM) [40 CFR 64]	DOES NOT APPLY. Emission sources are equipped with add-on controls (water injection), but would not exceed 100 TPY NO_x for each SCV if uncontrolled.
DSLTNK-01 thru DSLTNK-04 Diesel Tanks	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank has total capacity <19,813 gallons (75 m^3).
	Control of Emissions of Organic Compounds-Storage of volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank is used to store diesel fuel with a true vapor pressure <1.5 psia. [LAC 33:III.2103.B]

The above table provides explanation for the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Table 1 above of this permit.

40 CFR PART 70 GENERAL CONDITIONS

A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]

B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]

C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]

D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]

E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]

F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]

G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:

1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

H. (Continued)

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]

I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]

J. Records of required monitoring shall include the following:

1. the date, place as defined in the permit, and time of sampling or measurements;
2. the date(s) analyses were performed;
3. the company or entity that performed the analyses;
4. the analytical techniques or methods used;
5. the results of such analyses; and
6. the operating conditions as existing at the time of sampling or measurement.

[Reference 40 CFR 70.6(a)(3)(ii)(A)]

K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]

Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:

1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;

2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;

3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

5. changes in emissions would not qualify as a significant modification; and

6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

   a. Report by June 30 to cover January through March
   b. Report by September 30 to cover April through June
   c. Report by December 31 to cover July through September
   d. Report by March 31 to cover October through December

4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;

T. (Continued)

3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;

4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);

5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and

6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate, and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated August 16, 2005, along with supplemental information dated October 19, November 3, 8, 9, and 30, and December 21, 2005, and January 6, February 3, April 13, and May 11, 2006.

IV. This permit shall become invalid, for the sources not constructed, if:

A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;

B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications, or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.

X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.

XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.

A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:

1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

XI. (Continued)

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;

B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;

C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and

D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.

XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.

XVII. Very small emissions to the air resulting from routine operations that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 130402 Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

Also Known As:

ID	Name	User Group	Start Date
	Cheniere LNG Inc (Parent Co)	Air Permitting	08-22-2005
0560-00239	Creole Trail LNG LP - Creole Trail LNG Import Terminal	CDS Number	08-22-2005
	Priority 1 Emergency Site	Priority 1 Emergency Site	07-19-2006
WQC JP 060202-02	Water Quality Certification #	Water Certification	02-06-2006

Physical Location: @ Calcasieu Pass off Hwy 27, 4 Mi NW of Cameron, LA

Main Phone: 7136591361

Mailing Address: 717 Texas Ave Ste 3100 Houston, TX 77002

Location of Front Gate: 29° 48' 31" 97 hundredths latitude, 93° 21' 9" 50 hundredths longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Darron Granger	717 Texas Ave Ste 3100 Houston, TX 77002		Responsible Official for
Darron Granger	717 Texas Ave Ste 3100 Houston, TX 77002		Air Permit Contact For

Related Organizations:

Name	Address	Phone (Type)	Relationship
Creole Trail LNG LP	717 Texas Ave Ste 3100 Houston, TX 77002	7136591361 (WP)	Air Billing Party for
Creole Trail LNG LP	717 Texas Ave Ste 3100 Houston, TX 77002	7136591361 (WP)	Operates
Creole Trail LNG LP	717 Texas Ave Ste 3100 Houston, TX 77002	7136591361 (WP)	Owns

SIC Codes: 4922, Natural gas transmission

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

TPOR0148

INVENTORIES

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT001	FWP1 - Firewater Pump 660 hp Diesel Engine		4.69 MM BTU/hr	660 horsepower	Diesel Fuel	500 hr/yr (All Year)
EQT002	FWP2 - Firewater Pump 525 hp Diesel Engine		3.97 MM BTU/hr	525 horsepower	Diesel Fuel	500 hr/yr (All Year)
EQT003	GEN1 - Diesel Emergency Generator No. 1		15.23 MM BTU/hr	2168 horsepower	Diesel Fuel	500 hr/yr (All Year)
EQT004	GEN2 - Diesel Emergency Generator No. 2		15.23 MM BTU/hr	2168 horsepower	Diesel Fuel	500 hr/yr (All Year)
EQT005	GT1 - 30 MW Gas Turbine Generator No. 1		290 MM BTU/hr	266 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT006	GT2 - 30 MW Gas Turbine Generator No. 2		290 MM BTU/hr	266 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT007	GT3 - 30 MW Gas Turbine Generator No. 3		290 MM BTU/hr	266 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT008	GT4 - 30 MW Gas Turbine Generator No. 4		290 MM BTU/hr	266 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT009	SCV01 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT010	SCV02 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT011	SCV03 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT012	SCV04 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT013	SCV05 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT014	SCV06 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT015	SCV07 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT016	SCV08 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT017	SCV09 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT018	SCV10 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT019	SCV11 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT020	SCV12 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT021	SCV13 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT022	SCV14 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT023	SCV15 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT024	SCV16 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT025	SCV17 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT026	SCV18 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT027	SCV19 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT028	SCV20 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
EQT029	SCV21 - Submerged Combustion Vaporizer		108 MM BTU/hr	108 MM BTU/hr	Natural Gas (LNG)	8760 hr/yr (All Year)
FUG001	FUG - Fugitive Emissions		Not applicable	Not applicable		8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT1 FWP1 - Firewater Pump 660 hp Diesel Engine
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT2 FWP2 - Firewater Pump 525 hp Diesel Engine
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT3 GEN1 - Diesel Emergency Generator No. 1

INVENTORIES

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT4 GEN2 - Diesel Emergency Generator No. 2
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT5 GT1 - 30 MW Gas Turbine Generator No. 1
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT6 GT2 - 30 MW Gas Turbine Generator No. 2
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT7 GT3 - 30 MW Gas Turbine Generator No. 3
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT8 GT4 - 30 MW Gas Turbine Generator No. 4
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT9 SCV01 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT10 SCV02 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT11 SCV03 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT12 SCV04 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT13 SCV05 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT14 SCV06 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT15 SCV07 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT16 SCV08 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT17 SCV09 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT18 SCV10 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT19 SCV11 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT20 SCV12 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT21 SCV13 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT22 SCV14 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT23 SCV15 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT24 SCV16 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT25 SCV17 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT26 SCV18 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT27 SCV19 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT28 SCV20 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	EQT29 SCV21 - Submerged Combustion Vaporizer
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal	FUG1 FUG - Fugitive Emissions

Relationships:

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
AI130							75
EQT001	FWP1 - Firewater Pump 660 hp Diesel Engine	186.6	3948	.67		35	955
EQT002	FWP2 - Firewater Pump 525 hp Diesel Engine	186.6	3948	.67		35	900
EQT003	GEN1 - Diesel Emergency Generator No. 1	388.2	12694	.83		40	900
EQT004	GEN2 - Diesel Emergency Generator No. 2	388.2	12694	.83		40	900

INVENTORIES

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT005	GT1 - 30 MW Gas Turbine Generator No. 1	114.4	408643	6		45	971
EQT006	GT2 - 30 MW Gas Turbine Generator No. 2	114.4	408643	6		45	971
EQT007	GT3 - 30 MW Gas Turbine Generator No. 3	114.4	408643	6		45	971
EQT008	GT4 - 30 MW Gas Turbine Generator No. 4	114.4	408643	6		45	971
EQT009	SCV01 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT010	SCV02 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT011	SCV03 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT012	SCV04 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT013	SCV05 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT014	SCV06 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT015	SCV07 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT016	SCV08 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT017	SCV09 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT018	SCV10 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT019	SCV11 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT020	SCV12 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT021	SCV13 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT022	SCV14 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT023	SCV15 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT024	SCV16 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT025	SCV17 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT026	SCV18 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT027	SCV19 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT028	SCV20 - Submerged Combustion Vaporizer	75	31809	3		55	60
EQT029	SCV21 - Submerged Combustion Vaporizer	75	31809	3		55	60
FUG001	FUG - Fugitive Emissions						75
GRP001	Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal						75

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP001	1		1490 - Recip Nat Gas Comp (Less than 1,000 H.P.)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 FWP1	0.64	0.64	0.16	0.24	0.24	0.06	10.07	10.07	2.52	0.30	0.30	0.08	0.04	0.04	0.01
EQT 002 FWP2	0.28	0.28	0.07	0.20	0.20	0.05	6.74	6.74	1.69	1.60	1.60	0.40	0.09	0.09	0.02
EQT 003 GEN1	0.67	0.67	0.17	0.77	0.77	0.19	37.95	37.95	9.49	12.24	12.24	3.06	1.67	1.67	0.42
EQT 004 GEN2	0.67	0.67	0.17	0.77	0.77	0.19	37.95	37.95	9.49	12.24	12.24	3.06	1.67	1.67	0.42
EQT 005 GT1	1.94	2.12	8.49	0.08	0.09	0.35	27.12	29.53	118.79	16.35	17.81	71.60	1.11	1.21	4.84
EQT 006 GT2	1.94	2.12	8.49	0.08	0.09	0.35	27.12	29.53	118.79	16.35	17.81	71.60	1.11	1.21	4.84
EQT 007 GT3	1.94	2.12	8.49	0.08	0.09	0.35	27.12	29.53	118.79	16.35	17.81	71.60	1.11	1.21	4.84
EQT 008 GT4	1.94	2.12	8.49	0.08	0.09	0.35	27.12	29.53	118.79	16.35	17.81	71.60	1.11	1.21	4.84
EQT 009 SCV01	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 010 SCV02	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 011 SCV03	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 012 SCV04	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 013 SCV05	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 014 SCV06	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 015 SCV07	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 016 SCV08	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 017 SCV09	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 018 SCV10	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 019 SCV11	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 020 SCV12	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 021 SCV13	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 022 SCV14	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 023 SCV15	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 024 SCV16	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 025 SCV17	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 026 SCV18	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 027 SCV19	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 028 SCV20	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
EQT 029 SCV21	0.15	0.15	0.66	0.03	0.03	0.14	4.00	4.50	17.50	7.13	9.47	31.22	0.32	0.32	1.42
FUG 001 FUG													0.62	0.62	2.74

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 48.39 tons/yr

SO2: 4.83 tons/yr

NOx: 865.85 tons/yr

CO: 948.62 tons/yr

VOC: 52.79 tons/yr

Emission rates Notes:

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

All phases

EQT 001	PM10	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 001	NOx	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 001	CO	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 001	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 002	PM10	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 002	NOx	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 002	CO	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 002	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 003	PM10	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 003	NOx	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 003	CO	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 003	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 004	PM10	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 004	NOx	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 004	CO	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 004	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 005	PM10	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 005	PM10	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 005	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 005	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 006	PM10	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 006	PM10	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 006	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 006	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 007	PM10	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 007	PM10	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 007	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 007	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 008	PM10	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 008	PM10	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 008	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 008	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 009	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

All phases

EQT 009	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 010	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 010	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 011	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 011	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 012	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 012	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 013	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 013	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 014	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 014	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 015	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 015	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 016	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 016	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 017	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 017	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 018	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 018	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 019	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 019	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 020	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 020	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 021	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 021	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 022	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 022	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 023	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 023	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 024	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 024	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 025	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 025	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
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All phases

EQT 026	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 026	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 027	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 027	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 028	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 028	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 029	VOC	Max lb/hr	. (Limit under PSD-LA-714)	Which Months: All Year
EQT 029	VOC	Tons/Year	. (Limit under PSD-LA-714)	Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

All phases

	1,3-Butadiene			Acetaldehyde			Acrolein			Benzene			Ethyl benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 FWP1	0.007	0.007	0.002	0.027	0.027	0.007	0.001	0.001	< 0.001	0.006	0.006	0.002	< 0.001	< 0.001	< 0.001
EQT 002 FWP2	0.006	0.006	0.002	0.023	0.023	0.006	0.001	0.001	< 0.001	0.006	0.006	0.001	< 0.001	< 0.001	< 0.001
EQT 003 GEN1	0.024	0.024	0.006	0.087	0.087	0.022	0.004	0.004	0.001	0.021	0.021	0.005	0.001	0.001	< 0.001
EQT 004 GEN2	0.024	0.024	0.006	0.087	0.087	0.022	0.004	0.004	0.001	0.021	0.021	0.005	0.001	0.001	< 0.001
EQT 005 GT1	< 0.001	< 0.001	0.001	0.011	0.012	0.047	0.002	0.002	0.008	0.003	0.004	0.014	0.009	0.009	0.037
EQT 006 GT2	< 0.001	< 0.001	0.001	0.011	0.012	0.047	0.002	0.002	0.008	0.003	0.004	0.014	0.009	0.009	0.037
EQT 007 GT3	< 0.001	< 0.001	0.001	0.011	0.012	0.047	0.002	0.002	0.008	0.003	0.004	0.014	0.009	0.009	0.037
EQT 008 GT4	< 0.001	< 0.001	0.001	0.011	0.012	0.047	0.002	0.002	0.008	0.003	0.004	0.014	0.009	0.009	0.037
EQT 009 SCV01				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 010 SCV02				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 011 SCV03				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 012 SCV04				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 013 SCV05				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 014 SCV06				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 015 SCV07				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 016 SCV08				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 017 SCV09				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 018 SCV10				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

All phases

	Formaldehyde			Naphthalene			Polynuclear Aromatic Hydrocarbons			Toluene			Xylene (mixed isomers)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 FWP1	0.059	0.059	0.015	0.001	0.001	< 0.001	0.002	0.002	0.001	0.004	0.004	0.001	0.002	0.002	< 0.001
EQT 002 FWP2	0.050	0.050	0.013	< 0.001	< 0.001	< 0.001	0.002	0.002	< 0.001	0.003	0.003	0.001	0.001	0.001	< 0.001
EQT 003 GEN1	0.192	0.192	0.048	0.002	0.002	0.001	0.006	0.006	0.002	0.012	0.012	0.003	0.005	0.005	0.001
EQT 004 GEN2	0.192	0.192	0.048	0.002	0.002	0.001	0.006	0.006	0.002	0.012	0.012	0.002	0.005	0.005	0.001
EQT 005 GT1	0.189	0.206	0.827	< 0.001	< 0.001	0.002	0.001	0.001	0.003	0.035	0.038	0.151	0.017	0.019	0.075
EQT 006 GT2	0.189	0.206	0.827	< 0.001	< 0.001	0.002	0.001	0.001	0.003	0.035	0.038	0.151	0.017	0.019	0.075
EQT 007 GT3	0.189	0.206	0.827	< 0.001	< 0.001	0.002	0.001	0.001	0.003	0.035	0.038	0.151	0.017	0.019	0.075
EQT 008 GT4	0.189	0.206	0.827	< 0.001	< 0.001	0.002	0.001	0.001	0.003	0.035	0.038	0.151	0.017	0.019	0.075
EQT 009 SCV01	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 010 SCV02	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 011 SCV03	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 012 SCV04	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 013 SCV05	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 014 SCV06	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 015 SCV07	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 016 SCV08	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 017 SCV09	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 018 SCV10	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

All phases

	n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 FWP1	0.001	0.001	< 0.001
EQT 002 FWP2	0.001	0.001	< 0.001
EQT 003 GEN1	0.003	0.003	0.001
EQT 004 GEN2	0.003	0.003	0.001
EQT 005 GT1			
EQT 006 GT2			
EQT 007 GT3			
EQT 008 GT4			
EQT 009 SCV01	< 0.001	< 0.001	0.001
EQT 010 SCV02	< 0.001	< 0.001	0.001
EQT 011 SCV03	< 0.001	< 0.001	0.001
EQT 012 SCV04	< 0.001	< 0.001	0.001
EQT 013 SCV05	< 0.001	< 0.001	0.001
EQT 014 SCV06	< 0.001	< 0.001	0.001
EQT 015 SCV07	< 0.001	< 0.001	0.001
EQT 016 SCV08	< 0.001	< 0.001	0.001
EQT 017 SCV09	< 0.001	< 0.001	0.001
EQT 018 SCV10	< 0.001	< 0.001	0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

All phases

	1,3-Butadiene			Acetaldehyde			Acrolein			Benzene			Ethyl benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 019 SCV11				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 020 SCV12				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 021 SCV13				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 022 SCV14				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 023 SCV15				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 024 SCV16				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 025 SCV17				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 026 SCV18				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 027 SCV19				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 028 SCV20				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
EQT 029 SCV21				< 0.001	< 0.001	0.001				< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

All phases

	Formaldehyde			Naphthalene			Polynuclear Aromatic Hydrocar bons			Toluene			Xylene (mixed isomers)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 019 SCV11	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 020 SCV12	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 021 SCV13	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 022 SCV14	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 023 SCV15	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 024 SCV16	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 025 SCV17	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 026 SCV18	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 027 SCV19	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 028 SCV20	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003
EQT 029 SCV21	0.001	0.001	0.002							0.001	0.001	0.004	0.001	0.001	0.003

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

All phases

	n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 019 SCV11	< 0.001	< 0.001	0.001
EQT 020 SCV12	< 0.001	< 0.001	0.001
EQT 021 SCV13	< 0.001	< 0.001	0.001
EQT 022 SCV14	< 0.001	< 0.001	0.001
EQT 023 SCV15	< 0.001	< 0.001	0.001
EQT 024 SCV16	< 0.001	< 0.001	0.001
EQT 025 SCV17	< 0.001	< 0.001	0.001
EQT 026 SCV18	< 0.001	< 0.001	0.001
EQT 027 SCV19	< 0.001	< 0.001	0.001
EQT 028 SCV20	< 0.001	< 0.001	0.001
EQT 029 SCV21	< 0.001	< 0.001	0.001

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,3-Butadiene: 0.020 tons/yr

Acetaldehyde: 0.266 tons/yr

Acrolein: 0.036 tons/yr

Benzene: 0.090 tons/yr

Ethyl benzene: <0.173 tons/yr

Formaldehyde: 3.474 tons/yr

n-Hexane: 0.025 tons/yr

Naphthalene: 0.012 tons/yr

Polynuclear Aromatic Hydrocarbons: 0.018 tons/yr

All phases

Toluene: 0.696 tons/yr
Xylene (mixed isomers): 0.367 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 130402 - Creole Trail LNG LP - Creole Trail LNG Import Terminal
Activity Number: PER20050001
Permit Number: 0560-00239-V0
Air - Title V Regular Permit Initial

EQT001 FWP1 - Firewater Pump 660 hp Diesel Engine

1 Opacity <= 20 percent; except emissions may 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, LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: Six-minute average

2 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

3 *Operating time monitored by hour/time monitor continuously. (To verify compliance with limit under PSD-LA-714). Identify operation to differentiate maintenance operation* from non-maintenance operation and from operation in an emergency situation. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

4 Operating time recordkeeping by electronic or hard copy weekly. (To verify compliance with limit under PSD-LA-714). Keep records of the total deisel engine operating time for each month, as well as the operating time for the last twelve months. Identify maintenance operation, non-maintenance operation, and total emergency operation. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

5 Operating time Submit report: Due annually, by the 31st of March. (To verify compliance with limit under PSD-LA-714). Report the total hours of operation by the diesel engine for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. Identify maintenance operation, non-maintenance operation, and total emergency operation. [LAC 33:III.501.C.6]

6 Emergency Diesel Firewater Pump Engine: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT for the emergency diesel firewater pump engine:
to limit all pollutants, equipment shall be used to provide power to pump water for fire suppression or protection and operated only during emergency situations, except for periodic use required for testing and maintenance of the unit;
to limit NOx emissions, employ good combustion practices and good engine design incorporating Fuel Injection Timing Retardation (ITR) with consideration to the optimization of fuel consumption, emissions, and required performance, and limit NOx emission rates to 10.07 lb/hr;
to limit CO emissions, employ good combustion practices and good engine design incorporating ITR with consideration to the optimization of fuel consumption, emissions, and required performance, and limit CO emission rates to 0.30 lb/hr;
to limit PM/PM10 emissions, employ good combustion practices and good engine design, use low ash and low sulfur diesel, and limit PM/PM10 emission rates to 0.64 lb/hr; and to limit VOC emissions, employ good combustion practices and good engine design, and limit VOC emission rates to 0.04 lb/hr. [LAC 33:III.501.C.6, LAC 33:III.509]

7 Operating time <= 500 hr/yr. (Limit under PSD-LA-714). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6, LAC 33:III.509]
Which Months: All Year Statistical Basis: None specified

8 For a fire pump stationary CI ICE with a displacement < 30 liters per cylinder: Non-methane hydrocarbons plus Nitrogen oxides <= 10.5 g/BHP-hr (7.8 g/KW-hr). Subpart IIII. [40 CFR 60.4205(c)]
Which Months: All Year Statistical Basis: None specified

9 For a fire pump stationary CI ICE with a displacement < 30 liters per cylinder: Carbon monoxide <= 3.5 g/BHP-hr (2.6 g/KW-hr). Subpart IIII. [40 CFR 60.4205(c)]
Which Months: All Year Statistical Basis: None specified

10 For a fire pump stationary CI ICE with a displacement < 30 liters per cylinder: Particulate matter (10 microns or less) <= 0.54 g/BHP-hr (0.40 g/KW-hr). Subpart IIII. [40 CFR 60.4205(c)]
Which Months: All Year Statistical Basis: None specified

EQT001 FWP1 - Firewater Pump 660 hp Diesel Engine

11 For a stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205: Operate and maintain stationary CI ICE according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Subpart IIII. [40 CFR 60.4206]

12 For a stationary CI ICE: Beginning October 1, 2007, use diesel fuel that meets the requirements of 40 CFR 80.510(a). Subpart IIII. [40 CFR 60.4207(a)]

13 For a stationary CI ICE: Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart IIII. [40 CFR 60.4207(b)]

14 Operating time monitored by hour/time monitor continuously during operation. Install a non-resettable hour meter prior to startup of the engine. Subpart IIII. [40 CFR 60.4209(a)]
Which Months: All Year Statistical Basis: None specified

15 Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, only change those settings that are permitted by the manufacturer. Also meet the requirements of 40 CFR 89, 94 and/or 1068, as applicable. Subpart IIII. [40 CFR 60.4211(a)]

16 For a CI fire pump engine that is manufactured prior to 2008 and must comply with the emission standards specified in 40 CFR 60.4205(c): Demonstrate compliance according to one of the methods specified in 40 CFR 60.4211(b)(1) through (b)(5). Subpart IIII. [40 CFR 60.4211(b)]

17 For a CI fire pump engine that is manufactured during or after 2008 that complies with the emission standards specified in 40 CFR 60.4205(c): Ensure engine is certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4025(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart IIII. [40 CFR 60.4211(c)]

18 Conduct performance tests according to 40 CFR 60.4212(a) through (d). Subpart IIII. [40 CFR 60.4212]

EQT002 FWP2 - Firewater Pump 525 hp Diesel Engine

19 Opacity <= 20 percent; except emissions may 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, LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: Six-minute average

20 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

21 Operating time monitored by hour/time monitor continuously. (To verify compliance with limit under PSD-LA-714). Identify operation to differentiate maintenance operation from non-maintenance operation and from operation in an emergency situation. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

22 Operating time recordkeeping by electronic or hard copy weekly. (To verify compliance with limit under PSD-LA-714). Keep records of the total deisel engine operating time for each month, as well as the operating time for the last twelve months. Identify maintenance operation, non-maintenance operation, and total emergency operation. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

23 Operating time Submit report: Due annually, by the 31st of March. (To verify compliance with limit under PSD-LA-714). Report the total hours of operation by the diesel engine for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. Identify maintenance operation, non-maintenance operation, and total emergency operation. [LAC 33:III.501.C.6]

EQT002 FWP2 - Firewater Pump 525 hp Diesel Engine

24 Emergency Diesel Firewater Booster Pump Engine: *Per LAC 33:III.509.J.3*, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT for the emergency diesel firewater booster pump engine:
to limit all pollutants, equipment shall be used to provide power to pump water for fire suppression or protection and operated only during emergency situations, except for periodic use required for testing and maintenance of the unit;
to limit NOx emissions, employ good combustion practices and good engine design incorporating Fuel Injection Timing Retardation (ITR) with consideration to the optimization of fuel consumption, emissions, and required performance, and limit NOx emission rates to 6.74 lb/hr;
to limit CO emissions, employ good combustion practices and good engine design incorporating ITR with consideration to the optimization of fuel consumption, emissions, and required performance, and limit CO emission rates to 1.60 lb/hr;
to limit PM/PM10 emissions, employ good combustion practices and good engine design, use low ash and low sulfur diesel, and limit PM/PM10 emission rates to 0.28 lb/hr; and
to limit VOC emissions, employ good combustion practices and good engine design, and limit VOC emission rates to 0.09 lb/hr. [LAC 33:III.501.C.6, LAC 33:III.509]

25 Operating time <= 500 hr/yr. (Limit under PSD-LA-714). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6, LAC 33:III.509]
Which Months: All Year Statistical Basis: None specified

26 For a fire pump stationary CI ICE with a displacement < 30 liters per cylinder: Non-methane hydrocarbons plus Nitrogen oxides <= 10.5 g/BHP-hr (7.8 g/KW-hr). Subpart IIII. [40 CFR 60.4205(c)]
Which Months: All Year Statistical Basis: None specified

27 For a fire pump stationary CI ICE with a displacement < 30 liters per cylinder: Carbon monoxide <= 3.5 g/BHP-hr (2.6 g/KW-hr). Subpart IIII. [40 CFR 60.4205(c)]
Which Months: All Year Statistical Basis: None specified

28 For a fire pump stationary CI ICE with a displacement < 30 liters per cylinder: Particulate matter (10 microns or less) <= 0.54 g/BHP-hr (0.40 g/KW-hr). Subpart IIII. [40 CFR 60.4205(c)]
Which Months: All Year Statistical Basis: None specified

29 For a stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205: Operate and maintain stationary CI ICE according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Subpart IIII. [40 CFR 60.4206]

30 For a stationary CI ICE: Beginning October 1, 2007, use diesel fuel that meets the requirements of 40 CFR 80.510(a). Subpart IIII. [40 CFR 60.4207(a)]

31 For a stationary CI ICE: Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart IIII. [40 CFR 60.4207(b)]

32 Operating time monitored by hour/time monitor continuously during operation. Install a non-resettable hour meter prior to startup of the engine. Subpart IIII. [40 CFR 60.4209(a)]
Which Months: All Year Statistical Basis: None specified

33 Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, only change those settings that are permitted by the manufacturer. Also meet the requirements of 40 CFR 89, 94 and/or 1068, as applicable. Subpart IIII. [40 CFR 60.4211(a)]

34 For a CI fire pump engine that is manufactured prior to 2008 and must comply with the emission standards specified in 40 CFR 60.4205(c): Demonstrate compliance according to one of the methods specified in 40 CFR 60.4211(b)(1) through (b)(5). Subpart IIII. [40 CFR 60.4211(b)]

EQT002 FWP2 - Firewater Pump 525 hp Diesel Engine

35 For a CI fire pump engine that is manufactured during or after 2008 that complies with the emission standards specified in 40 CFR 60.4205(c): Ensure engine is certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4025(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart IIII. [40 CFR 60.4211(c)]

36 Conduct performance tests according to 40 CFR 60.4212(a) through (d). Subpart IIII. [40 CFR 60.4212]

EQT003 GEN1 - Diesel Emergency Generator No. 1

37 Opacity <= 20 percent; except emissions may 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.1101.B, LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

38 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

39 Operating time <= 500 hr/yr, except as specified in this permit for operation in an emergency situation. (Limit under PSD-LA-714). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

40 Operating time: Operation in an emergency situation above the 500 hr/yr limit may be authorized with prior approval by DEQ (variance) for situations where all four primary power turbines are down or where safety issues take priority. Short periods of overlap with turbine generator operation are allowed during the shutdown and startup modes. The diesel generator engine will shutdown immediately when system power is switched to the turbine generators. Operation over the limit without prior approval of DEQ is an exceedance of this permit. Record duration of any authorized emergency operation above the 500 hr/yr limit and keep records along with the notification of approval on site and available for inspection by the DEQ personnel. [LAC 33:III.509, LAC 33:III.501.C.6]

41 Emergency Diesel Generators: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT for each emergency diesel generator engine:
to limit all pollutants, equipment shall operate only during emergency situations, except for periodic use required for testing and maintenance of the unit;
to limit NOx emissions, employ good combustion practices and good engine design incorporating Fuel Injection Timing Retardation (ITR) with consideration to the optimization of fuel consumption, emissions, and required performance, and limit NOx emission rates to 37.95 lb/hr each;
to limit CO emissions, employ good combustion practices and good engine design incorporating ITR with consideration to the optimization of fuel consumption, emissions, and required performance, and limit CO emission rates to 12.25 lb/hr each;
to limit PM/PM10 emissions, employ good combustion practices and good engine design, use low ash and low sulfur diesel, and limit PM/PM10 emission rates to 0.67 lb/hr each; and
to limit VOC emissions, employ good combustion practices and good engine design, and limit VOC emission rates to 1.67 lb/hr each. [LAC 33:III.509, LAC 33:III.501.C.6]

42 Operating time monitored by hour/time monitor continuously. (To verify compliance with limit under PSD-LA-714). Identify operation to differentiate maintenance operation from non-maintenance operation and from operation in an emergency situation. [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT003 **GEN1 - Diesel Emergency Generator No. 1**

43 Operating time recordkeeping by electronic or hard copy weekly. (To verify compliance with limit under PSD-LA-714). Keep records of the total deisel engine operating time for each month, as well as the operating time for the last twelve months. Identify maintenance operation, non-maintenance operation, and total emergency operation, as well as, operation in an emergency situation above the 500 hr/yr limit with prior approval by DEQ. Make records available for inspection by DEQ personnel: [LAC 33:III.509, LAC 33:III.501.C.6]

44 Operating time Submit report: Due annually, by the 31st of March. (To verify compliance with limit under PSD-LA-714). Report the total hours of operation by the diesel engine for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. Identify maintenance operation, non-maintenance operation, and total emergency operation, as well as, operation in an emergency situation above the 500 hr/yr limit with prior approval by LDEQ. [LAC 33:III.509, LAC 33:III.501.C.6]

45 For pre-2007 model year emergency stationary CI ICE with a displacement < 10 liters per cylinder: Total hydrocarbon <= 1.3 g/BHP-hr (1.0 g/KW-hr). Subpart IIII. [40 CFR 60.4205(a)]
Which Months: All Year Statistical Basis: None specified

46 For pre-2007 model year emergency stationary CI ICE with a displacement < 10 liters per cylinder: Nitrogen oxides <= 9.2 g/BHP-hr (6.9 g/KW-hr). Subpart IIII. [40 CFR 60.4205(a)]
Which Months: All Year Statistical Basis: None specified

47 For pre-2007 model year emergency stationary CI ICE with a displacement < 10 liters per cylinder: Carbon monoxide <= 11.4 g/BHP-hr (8.5 g/KW-hr). Subpart IIII. [40 CFR 60.4205(a)]
Which Months: All Year Statistical Basis: None specified

48 For pre-2007 model year emergency stationary CI ICE with a displacement < 10 liters per cylinder: Particulate matter (10 microns or less) <= 0.54 g/BHP-hr (0.40 g/KW-hr). Subpart IIII. [40 CFR 60.4205(a)]
Which Months: All Year Statistical Basis: None specified

49 For pre-2007 model year emergency stationary CI ICE with a displacement >= 10 liters per cylinder and < 30 liters per cylinder: Comply with the emission standards in 40 CFR 94.8(a)(1). Subpart IIII. [40 CFR 60.4205(a)]

50 For 2007 model year and later emergency stationary CI ICE with a displacement < 30 liters per cylinder: Comply with the emission standards for new nonroad CI engines in 40 CFR 60.4202, for all pollutants, for the same model year and maximum engine power. Subpart IIII. [40 CFR 60.4205(b)]

51 For emergency stationary CI ICE with a displacement >= 30 liters per cylinder: (Option 1 of 2) Nitrogen oxides >= 90 % reduction. Subpart IIII. [40 CFR 60.4205(d)(1)]
Which Months: All Year Statistical Basis: None specified

52 For emergency stationary CI ICE with a displacement >= 30 liters per cylinder: (Option 2 of 2) Nitrogen oxides <= 1.2 g/BHP-hr (1.6 g/KW-hr). Subpart IIII. [40 CFR 60.4205(d)(1)]
Which Months: All Year Statistical Basis: None specified

53 For emergency stationary CI ICE with a displacement >= 30 liters per cylinder: (Option 1 of 2) Particulate matter (10 microns or less) >= 60 % reduction. Subpart IIII. [40 CFR 60.4205(d)(2)]
Which Months: All Year Statistical Basis: None specified

54 For emergency stationary CI ICE with a displacement >= 30 liters per cylinder: (Option 2 of 2) Particulate matter (10 microns or less) <= 0.11 g/BHP-hr (0.15 g/KW-hr). Subpart IIII. [40 CFR 60.4205(d)(2)]
Which Months: All Year Statistical Basis: None specified

55 For a stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205: Operate and maintain stationary CI ICE according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Subpart IIII. [40 CFR 60.4206]

56 For a stationary CI ICE: Beginning October 1, 2007, use diesel fuel that meets the requirements of 40 CFR 80.510(a). Subpart IIII. [40 CFR 60.4207(a)]

EQT003 GEN1 - Diesel Emergency Generator No. 1

57 For a stationary CI ICE: Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart IIII. [40 CFR 60.4207(b)]

58 Operating time monitored by hour/time monitor continuously during operation. Install a non-resettable hour meter prior to startup of the engine. Subpart IIII. [40 CFR 60.4209(a)]
Which Months: All Year Statistical Basis: None specified

59 Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, only change those settings that are permitted by the manufacturer. Also meet the requirements of 40 CFR 89, 94 and/or 1068, as applicable. Subpart IIII. [40 CFR 60.4211(a)]

60 For a pre-2007 model year stationary CI ICE that complies with the emission standards specified in 40 CFR 60.4204(a) or 60.4205(a) or a CI fire pump engine that is manufactured prior to 2008 that complies with the emission standards specified in 40 CFR 60.4205(c): Demonstrate compliance according to one of the methods specified in 40 CFR 60.4211(b)(1) through (b)(5). Subpart IIII. [40 CFR 60.4211(b)]

61 For a 2007 model year or later stationary CI ICE that complies with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) or a CI fire pump engine that is manufactured during or after 2008 that complies with the emission standards specified in 40 CFR 60.4205(c): Ensure engine is certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4025(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart IIII. [40 CFR 60.4211(c)]

62 For a stationary CI ICE that complies with the emission standards specified in 40 CFR 60.4204(c) or 60.4205(d): Conduct an initial performance test to demonstrate initial compliance with the emission standards as specified in 40 CFR 60.4213. Subpart IIII. [40 CFR 60.4211(d)(1)]

63 Submit petition to DEQ for approval of operating parameters to be monitored continuously. Include the information described in 40 CFR 60.4211(d)(2)(i) through (d)(2)(v). Subpart IIII. [40 CFR 60.4211(d)(2)]

64 For a stationary CI ICE that complies with the emission standards specified in 40 CFR 60.4204(c) or 60.4205(d): Equipment/operational data monitored by technically sound method continuously. Subpart IIII. [40 CFR 60.4211(d)(2)]
Which Months: All Year Statistical Basis: None specified

65 For a stationary CI ICE with a displacement < 30 liters per cylinder: Conduct performance tests according to 40 CFR 60.4212(a) through (d). Subpart IIII. [40 CFR 60.4212]

66 For emergency stationary CI ICE complying with a percent reduction requirement: Determine compliance with the percent reduction requirement using the methods and procedures specified in 40 CFR 60.4213(d)(1) through (d)(3). Subpart IIII. [40 CFR 60.4213(d)]

67 For emergency stationary CI ICE complying with a NOx requirement: Determine compliance with the NOx mass per unit output emission limitation by converting the concentration of NOx in engine exhaust using 40 CFR 60.4213(e), Equation 7. Subpart IIII. [40 CFR 60.4213(e)]

68 For emergency stationary CI ICE complying with a PM requirement: Determine compliance with the PM mass per unit output emission limitation by converting the concentration of PM in the engine exhaust using 40 CFR 60.4213(f), Equation 8. Subpart IIII. [40 CFR 60.4213(f)]

69 For a stationary CI ICE with a displacement >= 30 liters per cylinder: Conduct performance tests according to 40 CFR 60.4213(a) through (c). Subpart IIII. [40 CFR 60.4213]

EQT004 GEN2 - Diesel Emergency Generator No. 2

70 Opacity <= 20 percent; except emissions may 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.1101.B, LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

71 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT004 **GEN2 - Diesel Emergency Generator No. 2**

72 Operating time <= 500 hr/yr, except as specified in this permit for operation in an emergency situation. (Limit under PSD-LA-714). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

73 Operating time: Operation in an emergency situation above the 500 hr/yr limit may be authorized with prior approval by DEQ (variance) for situations where all four primary power turbines are down or where safety issues take priority. Short periods of overlap with turbine generator operation are allowed during the shutdown and startup modes. The diesel generator engine will shutdown immediately when system power is switched to the turbine generators. Operation over the limit without prior approval of DEQ is an exceedance of this permit. Record duration of any authorized emergency operation above the 500 hr/yr limit and keep records along with the notification of approval on site and available for inspection by the DEQ personnel. [LAC 33:III.509, LAC 33:III.501.C.6]

74 Emergency Diesel Generators: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT for each emergency diesel generator engine:
to limit all pollutants, equipment shall operate only during emergency situations, except for periodic use required for testing and maintenance of the unit;
to limit NOx emissions, employ good combustion practices and good engine design incorporating Fuel Injection Timing Retardation (ITR) with consideration to the optimization of fuel consumption, emissions, and required performance, and limit NOx emission rates to 37.95 lb/hr each;
to limit CO emissions, employ good combustion practices and good engine design incorporating ITR with consideration to the optimization of fuel consumption, emissions, and required performance, and limit CO emission rates to 12.25 lb/hr each;
to limit PM/PM10 emissions, employ good combustion practices and good engine design, use low ash and low sulfur diesel, and limit PM/PM10 emission rates to 0.67 lb/hr each; and
to limit VOC emissions, employ good combustion practices and good engine design, and limit VOC emission rates to 1.67 lb/hr each. [LAC 33:III.509, LAC 33:III.501.C.6]

75 Operating time monitored by hour/time monitor continuously. (To verify compliance with limit under PSD-LA-714). Identify operation to differentiate maintenance operation from non-maintenance operation and from operation in an emergency situation. [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

76 Operating time recordkeeping by electronic or hard copy weekly. (To verify compliance with limit under PSD-LA-714). Keep records of the total deisel engine operating time for each month, as well as the operating time for the last twelve months. Identify maintenance operation, non-maintenance operation, and total emergency operation, as well as, operation in an emergency situation above the 500 hr/yr limit with prior approval by DEQ. Make records available for inspection by DEQ personnel. [LAC 33:III.509, LAC 33:III.501.C.6]

77 Operating time Submit report: Due annually, by the 31st of March. (To verify compliance with limit under PSD-LA-714). Report the total hours of operation by the diesel engine for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. Identify maintenance operation, non-maintenance operation, and total emergency operation, as well as, operation in an emergency situation above the 500 hr/yr limit with prior approval by LDEQ. [LAC 33:III.509, LAC 33:III.501.C.6]

78 For pre-2007 model year emergency stationary CI ICE with a displacement < 10 liters per cylinder: Total hydrocarbon <= 1.3 g/BHP-hr (1.0 g/KW-hr). Subpart IIII. [40 CFR 60.4205(a)]
Which Months: All Year Statistical Basis: None specified

79 For pre-2007 model year emergency stationary CI ICE with a displacement < 10 liters per cylinder: Nitrogen oxides <= 9.2 g/BHP-hr (6.9 g/KW-hr). Subpart IIII. [40 CFR 60.4205(a)]
Which Months: All Year Statistical Basis: None specified

80 For pre-2007 model year emergency stationary CI ICE with a displacement < 10 liters per cylinder: Carbon monoxide <= 11.4 g/BHP-hr (8.5 g/KW-hr). Subpart IIII. [40 CFR 60.4205(a)]
Which Months: All Year Statistical Basis: None specified

EQT004 GEN2 - Diesel Emergency Generator No. 2

81 For pre-2007 model year emergency stationary CI ICE with a displacement < 10 liters per cylinder: Particulate matter (10 microns or less) <= 0.54 g/BHP-hr (0.40 g/KW-hr). Subpart IIII. [40 CFR 60.4205(a)]
Which Months: All Year Statistical Basis: None specified

82 For pre-2007 model year emergency stationary CI ICE with a displacement >= 10 liters per cylinder and < 30 liters per cylinder: Comply with the emission standards in 40 CFR 94.8(a)(1). Subpart IIII. [40 CFR 60.4205(a)]

83 For 2007 model year and later emergency stationary CI ICE with a displacement < 30 liters per cylinder: Comply with the emission standards for new nonroad CI engines in 40 CFR 60.4202, for all pollutants, for the same model year and maximum engine power. Subpart IIII. [40 CFR 60.4205(b)]

84 For emergency stationary CI ICE with a displacement >= 30 liters per cylinder: (Option 1 of 2) Nitrogen oxides >= 90 % reduction. Subpart IIII. [40 CFR 60.4205(d)(1)]
Which Months: All Year Statistical Basis: None specified

85 For emergency stationary CI ICE with a displacement >= 30 liters per cylinder: (Option 2 of 2) Nitrogen oxides <= 1.2 g/BHP-hr (1.6 g/KW-hr). Subpart IIII. [40 CFR 60.4205(d)(1)]
Which Months: All Year Statistical Basis: None specified

86 For emergency stationary CI ICE with a displacement >= 30 liters per cylinder: (Option 1 of 2) Particulate matter (10 microns or less) >= 60 % reduction. Subpart IIII. [40 CFR 60.4205(d)(2)]
Which Months: All Year Statistical Basis: None specified

87 For emergency stationary CI ICE with a displacement >= 30 liters per cylinder: (Option 2 of 2) Particulate matter (10 microns or less) <= 0.11 g/BHP-hr (0.15 g/KW-hr). Subpart IIII. [40 CFR 60.4205(d)(2)]
Which Months: All Year Statistical Basis: None specified

88 For a stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205: Operate and maintain stationary CI ICE according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Subpart IIII. [40 CFR 60.4206]

89 For a stationary CI ICE: Beginning October 1, 2007, use diesel fuel that meets the requirements of 40 CFR 80.510(a). Subpart IIII. [40 CFR 60.4207(a)]

90 For a stationary CI ICE: Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart IIII. [40 CFR 60.4207(b)]

91 Operating time monitored by hour/time monitor continuously during operation. Install a non-resettable hour meter prior to startup of the engine. Subpart IIII. [40 CFR 60.4209(a)]
Which Months: All Year Statistical Basis: None specified

92 Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, only change those settings that are permitted by the manufacturer. Also meet the requirements of 40 CFR 89, 94 and/or 1068, as applicable. Subpart IIII. [40 CFR 60.4211(a)]

93 For a pre-2007 model year stationary CI ICE that complies with the emission standards specified in 40 CFR 60.4204(a) or 60.4205(a) or a CI fire pump engine that is manufactured prior to 2008 that complies with the emission standards specified in 40 CFR 60.4205(c): Demonstrate compliance according to one of the methods specified in 40 CFR 60.4211(b)(1) through (b)(5). Subpart IIII. [40 CFR 60.4211(b)]

94 For a 2007 model year or later stationary CI ICE that complies with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) or a CI fire pump engine that is manufactured during or after 2008 that complies with the emission standards specified in 40 CFR 60.4205(c): Ensure engine is certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4025(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart IIII. [40 CFR 60.4211(c)]

95 For a stationary CI ICE that complies with the emission standards specified in 40 CFR 60.4204(c) or 60.4205(d): Conduct an initial performance test to demonstrate initial compliance with the emission standards as specified in 40 CFR 60.4213. Subpart IIII. [40 CFR 60.4211(d)(1)]

EQT004 GEN2 - Diesel Emergency Generator No. 2

96 Submit petition to DEQ for approval of operating parameters to be monitored continuously. Include the information described in 40 CFR 60.4211(d)(2)(i) through (d)(2)(v). Subpart IIII. [40 CFR 60.4211(d)(2)]

97 For a stationary CI ICE that complies with the emission standards specified in 40 CFR 60.4204(c) or 60.4205(d): Equipment/operational data monitored by technically sound method continuously. Subpart IIII. [40 CFR 60.4211(d)(2)]
Which Months: All Year Statistical Basis: None specified

98 For a stationary CI ICE with a displacement < 30 liters per cylinder: Conduct performance tests according to 40 CFR 60.4212(a) through (d). Subpart IIII. [40 CFR 60.4212]

99 For emergency stationary CI ICE complying with a percent reduction requirement: Determine compliance with the percent reduction requirement using the methods and procedures specified in 40 CFR 60.4213(d)(1) through (d)(3). Subpart IIII. [40 CFR 60.4213(d)]

100 For emergency stationary CI ICE complying with a NOx requirement: Determine compliance with the NOx mass per unit output emission limitation by converting the concentration of NOx in engine exhaust using 40 CFR 60.4213(e), Equation 7. Subpart IIII. [40 CFR 60.4213(e)]

101 For emergency stationary CI ICE complying with a PM requirement: Determine compliance with the PM mass per unit output emission limitation by converting the concentration of PM in the engine exhaust using 40 CFR 60.4213(f), Equation 8. Subpart IIII. [40 CFR 60.4213(f)]

102 For a stationary CI ICE with a displacement >= 30 liters per cylinder: Conduct performance tests according to 40 CFR 60.4213(a) through (c). Subpart IIII. [40 CFR 60.4213]

EQT005 GT1 - 30 MW Gas Turbine Generator No. 1

103 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C, LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: Six-minute average

104 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

105 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

106 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

107 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources or Method 20 - Determination of Nitrogen Oxides, Sulfur Dioxide and Oxygen emissions from Stationary Gas Turbines, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

EQT005 GT1 - 30 MW Gas Turbine Generator No. 1

108 Generator Turbines: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT for each combustion turbine:
to limit NOx emissions, use Dry Low Emissions (DLE) combustor technology with lean premix of air and fuel, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 25 ppmvd at 15% O2 [vender guaranteed];
to limit CO emissions, use DLE combustor technology with lean premix of air and fuel, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 25 ppmvd at 15% O2 [vender guaranteed];
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors *(or equivalent) and limit PM/PM10 emission rates to 2.11 lb/hr each; and*
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent) and limit VOC emission rates to 1.21 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

109 Nitrogen oxides <= 25 ppmdv @ 15% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

110 Carbon monoxide <= 25 ppmdv @ 15% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

111 At all times, including periods of startup, shutdown, and malfunction, maintain and operate to the extent practicable any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Subpart A. [40 CFR 60.11(d), LAC 33:III.501.C.6]

112 Nitrogen oxides <= 25 ppm @ 15%O2. (Option 1 of 2) Subpart KKKK. [40 CFR 60.4320(a)]
Which Months: All Year Statistical Basis: Hourly average

113 Nitrogen oxides <= 1.2 lb/MWh (150 ng/J) of useful output. (Option 2 of 2) Subpart KKKK. [40 CFR 60.4320(a)]
Which Months: All Year Statistical Basis: Hourly average

114 Fuel sulfur content <= 0.06 lb/MMBTU (26 ng/J) heat input. If the turbine simultaneously fires multiple fuels, each fuel must meet this requirement. Subpart KKKK. [40 CFR 60.4330(a)(2)]
Which Months: All Year Statistical Basis: None specified

115 Operate and maintain the stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. Subpart KKKK. [40 CFR 60.4333(a)]

116 Demonstrate continuous compliance for NOx by performing annual performance tests in accordance with 40 CFR 60.4400. Subpart KKKK. [40 CFR 60.4340(a)]

117 Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as provided in 40 CFR 60.4365. Monitor the total sulfur content of the fuel being fired in the turbine using the total sulfur methods described in 40 CFR 60.4415 at the frequency specified in 40 CFR 60.4370. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4360]
Which Months: All Year Statistical Basis: None specified

118 Sulfur dioxide <= 0.06 lb/MMBTU (26 ng/J). Use one of the sources of information specified in 40 CFR 60.4365(a) and (b) to make the required demonstration. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4365]
Which Months: All Year Statistical Basis: None specified

119 Fuel sulfur content monitored by technically sound method daily for 30 consecutive unit operating days. Perform subsequent monitoring at one of the frequencies specified in 40 CFR 60.4370(c)(1)(ii) through (c)(1)(iv), based on the results of the thirty day monitoring. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4370(c)(1)]
Which Months: All Year Statistical Basis: None specified

EQT005 GT1 - 30 MW Gas Turbine Generator No. 1

120 Submit excess emissions reports and monitor downtime, in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including start-up, shutdown, and malfunction. (When the option to monitor the sulfur content of the fuel is chosen, excess emissions and monitoring downtime are defined per 60.4385 (a) and (c). When permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, this report shall document this election.) Subpart KKKK. [40 CFR 60.4375(a), LAC 33:III.501.C.6]

121 Nitrogen oxides: Submit performance test results: Due in writing before the close of business on the 60th day following the completion of the performance test. Submit KKKK. [40 CFR 60.4375(b)]

122 Postmark the excess emissions report required under 40 CFR 60.7(c) by the 30th day following the end of each 6-month period. Subpart KKKK. [40 CFR 60.4395, LAC 33:III.501.C.6]

123 Conduct an initial performance test for NOx, as required in 40 CFR 60.8. Use one of methodologies specified in 40 CFR 60.4400(a)(1)(i) and (a)(1)(ii). If using a NOx-diluent CEMS according to 40 CFR 60.4345, then the test may be performed as specified in 40 CFR 60.4405(a) through (d). Subpart KKKK. [40 CFR 60.4400]

124 Conduct performance tests for sulfur initially as required in 40 CFR 60.8 and annually thereafter. Use one of the methodologies specified in 40 CFR 60.4415(a)(1) through (a)(3). Subpart KKKK. [40 CFR 60.4415]

EQT006 GT2 - 30 MW Gas Turbine Generator No. 2

125 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C, LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: Six-minute average

126 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

127 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

128 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

129 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources or Method 20 - Determination of Nitrogen Oxides, Sulfur Dioxide and Oxygen emissions from Stationary Gas Turbines, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. *Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology* Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

130 Carbon monoxide <= 25 ppmdv @ 15% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.501.C.6, LAC 33:III.509]

EQT006 **GT2 - 30 MW Gas Turbine Generator No. 2**

131 Generator Turbines: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT for each combustion turbine:
to limit NOx emissions, use Dry Low Emissions (DLE) combustor technology with lean premix of air and fuel, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 25 ppmvd at 15% O2 [vender guaranteed];
to limit CO emissions, use DLE combustor technology with lean premix of air and fuel, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 25 ppmvd at 15% O2 [vender guaranteed];
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent) and limit PM/PM10 emission rates to 2.11 lb/hr each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent) and limit VOC emission rates to 1.21 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

132 Nitrogen oxides <= 25 ppmdv @ 15% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

133 At all times, including periods of startup, shutdown, and malfunction, maintain and operate to the extent practicable any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Subpart A. [40 CFR 60.11(d), LAC 33:III.501.C.6]

134 Nitrogen oxides <= 25 ppm @ 15%O2. (Option 1 of 2) Subpart KKKK. [40 CFR 60.4320(a)]
Which Months: All Year Statistical Basis: Hourly average

135 Nitrogen oxides <= 1.2 lb/MWh (150 ng/J) of useful output. (Option 2 of 2) Subpart KKKK. [40 CFR 60.4320(a)]
Which Months: All Year Statistical Basis: Hourly average

136 Fuel sulfur content <= 0.06 lb/MMBTU (26 ng/J) heat input. If the turbine simultaneously fires multiple fuels, each fuel must meet this requirement. Subpart KKKK. [40 CFR 60.4330(a)(2)]
Which Months: All Year Statistical Basis: None specified

137 Operate and maintain the stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. Subpart KKKK. [40 CFR 60.4333(a)]

138 Demonstrate continuous compliance for NOx by performing annual performance tests in accordance with 40 CFR 60.4400. Subpart KKKK. [40 CFR 60.4340(a)]

139 Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as provided in 40 CFR 60.4365. Monitor the total sulfur content of the fuel being fired in the turbine using the total sulfur methods described in 40 CFR 60.4415 at the frequency specified in 40 CFR 60.4370. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4360]
Which Months: All Year Statistical Basis: None specified

140 Sulfur dioxide <= 0.06 lb/MMBTU (26 ng/J). Use one of the sources of information specified in 40 CFR 60.4365(a) and (b) to make the required demonstration. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4365]
Which Months: All Year Statistical Basis: None specified

141 Fuel sulfur content monitored by technically sound method daily for 30 consecutive unit operating days. Perform subsequent monitoring at one of the frequencies specified in 40 CFR 60.4370(c)(1)(ii) through (c)(1)(iv), based on the results of the thirty day monitoring. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4370(c)(1)]
Which Months: All Year Statistical Basis: None specified

EQT006 GT2 - 30 MW Gas Turbine Generator No. 2

142 Submit excess emissions reports and monitor downtime, in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including start-up, shutdown, and malfunction. (When the option to monitor the sulfur content of the fuel is chosen, excess emissions and monitoring downtime are defined per 60.4385 (a) and (c). When permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, this report shall document this election.) Subpart KKKK. [40 CFR 60.4375(a), LAC 33:III.501.C.6]

143 Nitrogen oxides: Submit performance test results: Due in writing before the close of business on the 60th day following the completion of the performance test. Submit KKKK. [40 CFR 60.4375(b)]

144 Postmark the excess emissions report required under 40 CFR 60.7(c) by the 30th day following the end of each 6-month period. Subpart KKKK. [40 CFR 60.4395, LAC 33:III.501.C.6]

145 Conduct an initial performance test for NOx, as required in 40 CFR 60.8. Use one of methodologies specified in 40 CFR 60.4400(a)(1)(i) and (a)(1)(ii). If using a NOx-diluent CEMS according to 40 CFR 60.4345, then the test may be performed as specified in 40 CFR 60.4405(a) through (d). Subpart KKKK. [40 CFR 60.4400]

146 Conduct performance tests for sulfur initially as required in 40 CFR 60.8 and annually thereafter. Use one of the methodologies specified in 40 CFR 60.4415(a)(1) through (a)(3). Subpart KKKK. [40 CFR 60.4415]

EQT007 GT3 - 30 MW Gas Turbine Generator No. 3

147 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C, LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: Six-minute average

148 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

149 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

150 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

151 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources or Method 20 - Determination of Nitrogen Oxides, Sulfur Dioxide and Oxygen emissions from Stationary Gas Turbines, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

EQT007 GT3 - 30 MW Gas Turbine Generator No. 3

152 Generator Turbines: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT for each combustion turbine:
to limit NOx emissions, use Dry Low Emissions (DLE) combustor technology with lean premix of air and fuel, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 25 ppmvd at 15% O2 [vender guaranteed];
to limit CO emissions, use DLE combustor technology with lean premix of air and fuel, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 25 ppmvd at 15% O2 [vender guaranteed];
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent) and limit PM/PM10 emission rates to 2.11 lb/hr each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent) and limit VOC emission rates to 1.21 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

153 Carbon monoxide <= 25 ppmdv @ 15% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

154 Nitrogen oxides <= 25 ppmdv @ 15% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

155 At all times, including periods of startup, shutdown, and malfunction, maintain and operate to the extent practicable any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Subpart A. [40 CFR 60.11(d), LAC 33:III.501.C.6]

156 Nitrogen oxides <= 25 ppm @ 15%O2. (Option 1 of 2) Subpart KKKK. [40 CFR 60.4320(a)]
Which Months: All Year Statistical Basis: Hourly average

157 Nitrogen oxides <= 1.2 lb/MWh (150 ng/J) of useful output. (Option 2 of 2) Subpart KKKK. [40 CFR 60.4320(a)]
Which Months: All Year Statistical Basis: Hourly average

158 Fuel sulfur content <= 0.06 lb/MMBTU (26 ng/J) heat input. If the turbine simultaneously fires multiple fuels, each fuel must meet this requirement. Subpart KKKK. [40 CFR 60.4330(a)(2)]
Which Months: All Year Statistical Basis: None specified

159 Operate and maintain the stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. Subpart KKKK. [40 CFR 60.4333(a)]

160 Demonstrate continuous compliance for NOx by performing annual performance tests in accordance with 40 CFR 60.4400. Subpart KKKK. [40 CFR 60.4340(a)]

161 Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as provided in 40 CFR 60.4365. Monitor the total sulfur content of the fuel being fired in the turbine using the total sulfur methods described in 40 CFR 60.4415 at the frequency specified in 40 CFR 60.4370. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4360]
Which Months: All Year Statistical Basis: None specified

162 Sulfur dioxide <= 0.06 lb/MMBTU (26 ng/J). Use one of the sources of information specified in 40 CFR 60.4365(a) and (b) to make the required demonstration. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4365]
Which Months: All Year Statistical Basis: None specified

163 Fuel sulfur content monitored by technically sound method daily for 30 consecutive unit operating days. Perform subsequent monitoring at one of the frequencies specified in 40 CFR 60.4370(c)(1)(ii) through (c)(1)(iv), based on the results of the thirty day monitoring. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4370(c)(1)]
Which Months: All Year Statistical Basis: None specified

EQT007 GT3 - 30 MW Gas Turbine Generator No. 3

164 Submit excess emissions reports and monitor downtime, in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including start-up, shutdown, and malfunction. (When the option to monitor the sulfur content of the fuel is chosen, excess emissions and monitoring downtime are defined per 60.4385 (a) and (c). When permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, this report shall document this election.) Subpart KKKK. [40 CFR 60.4375(a), LAC 33:III.501.C.6]

165 Nitrogen oxides: Submit performance test results: Due in writing before the close of business on the 60th day following the completion of the performance test. Submit KKKK. [40 CFR 60.4375(b)]

166 Postmark the excess emissions report required under 40 CFR 60.7(c) by the 30th day following the end of each 6-month period. Subpart KKKK. [40 CFR 60.4395, LAC 33:III.501.C.6]

167 Conduct an initial performance test for NOx, as required in 40 CFR 60.8. Use one of methodologies specified in 40 CFR 60.4400(a)(1)(i) and (a)(1)(ii). If using a NOx-diluent CEMS according to 40 CFR 60.4345, then the test may be performed as specified in 40 CFR 60.4405(a) through (d). Subpart KKKK. [40 CFR 60.4400]

168 Conduct performance tests for sulfur initially as required in 40 CFR 60.8 and annually thereafter. Use one of the methodologies specified in 40 CFR 60.4415(a)(1) through (a)(3). Subpart KKKK. [40 CFR 60.4415]

EQT008 GT4 - 30 MW Gas Turbine Generator No. 4

169 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C, LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: Six-minute average

170 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

171 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

172 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

173 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources or Method 20 - Determination of Nitrogen Oxides, Sulfur Dioxide and Oxygen emissions from Stationary Gas Turbines, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

EQT008 GT4 - 30 MW Gas Turbine Generator No. 4

174 Generator Turbines: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT for each combustion turbine:
to limit NOx emissions, use Dry Low Emissions (DLE) combustor technology with lean premix of air and fuel, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 25 ppmvd at 15% O2 [vender guaranteed];
to limit CO emissions, use DLE combustor technology with lean premix of air and fuel, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 25 ppmvd at 15% O2 [vender guaranteed];
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent) and limit PM/PM10 emission rates to 2.11 lb/hr each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent) and limit VOC emission rates to 1.21 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

175 Carbon monoxide <= 25 ppmdv @ 15% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

176 Nitrogen oxides <= 25 ppmdv @ 15% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

177 At all times, including periods of startup, shutdown, and malfunction, maintain and operate to the extent practicable any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Subpart A. [40 CFR 60.11(d), LAC 33:III.501.C.6]

178 Nitrogen oxides <= 25 ppm @ 15%O2. (Option 1 of 2) Subpart KKKK. [40 CFR 60.4320(a)]
Which Months: All Year Statistical Basis: Hourly average

179 Nitrogen oxides <= 1.2 lb/MWh (150 ng/J) of useful output. (Option 2 of 2) Subpart KKKK. [40 CFR 60.4320(a)]
Which Months: All Year Statistical Basis: Hourly average

180 Fuel sulfur content <= 0.06 lb/MMBTU (26 ng/J) heat input. If the turbine simultaneously fires multiple fuels, each fuel must meet this requirement. Subpart KKKK. [40 CFR 60.4330(a)(2)]
Which Months: All Year Statistical Basis: None specified

181 Operate and maintain the stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. Subpart KKKK. [40 CFR 60.4333(a)]

182 Demonstrate continuous compliance for NOx by performing annual performance tests in accordance with 40 CFR 60.4400. Subpart KKKK. [40 CFR 60.4340(a)]

183 Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as provided in 40 CFR 60.4365. Monitor the total sulfur content of the fuel being fired in the turbine using the total sulfur methods described in 40 CFR 60.4415 at the frequency specified in 40 CFR 60.4370. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4360]
Which Months: All Year Statistical Basis: None specified

184 Sulfur dioxide <= 0.06 lb/MMBTU (26 ng/J). Use one of the sources of information specified in 40 CFR 60.4365(a) and (b) to make the required demonstration. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4365]
Which Months: All Year Statistical Basis: None specified

185 Fuel sulfur content monitored by technically sound method daily for 30 consecutive unit operating days. Perform subsequent monitoring at one of the frequencies specified in 40 CFR 60.4370(c)(1)(ii) through (c)(1)(iv), based on the results of the thirty day monitoring. (Permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, or else 40 CFR 60.4370 (c) to determine total sulfur content of fuel.) Subpart KKKK. [40 CFR 60.4370(c)(1)]
Which Months: All Year Statistical Basis: None specified

EQT008 GT4 - 30 MW Gas Turbine Generator No. 4

186 Submit excess emissions reports and monitor downtime, in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including start-up, shutdown, and malfunction. (When the option to monitor the sulfur content of the fuel is chosen, excess emissions and monitoring downtime are defined per 60.4385 (a) and (c). When permittee elects to comply with 40 CFR 60.4365 (a) or (b) to demonstrate sulfur content of fuel, this report shall document this election.) Subpart KKKK. [40 CFR 60.4375(a), LAC 33:III.501.C.6]

187 Nitrogen oxides: Submit performance test results: Due in writing before the close of business on the 60th day following the completion of the performance test. Submit KKKK. [40 CFR 60.4375(b)]

188 Postmark the excess emissions report required under 40 CFR 60.7(c) by the 30th day following the end of each 6-month period. Subpart KKKK. [40 CFR 60.4395, LAC 33:III.501.C.6]

189 Conduct an initial performance test for NOx, as required in 40 CFR 60.8. Use one of methodologies specified in 40 CFR 60.4400(a)(1)(i) and (a)(1)(ii). If using a NOx-diluent CEMS according to 40 CFR 60.4345, then the test may be performed as specified in 40 CFR 60.4405(a) through (d). Subpart KKKK. [40 CFR 60.4400]

190 Conduct performance tests for sulfur initially as required in 40 CFR 60.8 and annually thereafter. Use one of the methodologies specified in 40 CFR 60.4415(a)(1) through (a)(3). Subpart KKKK. [40 CFR 60.4415]

EQT009 SCV01 - Submerged Combustion Vaporizer

191 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

192 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

193 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

194 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

195 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

196 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

EQT009 SCV01 - Submerged Combustion Vaporizer

197 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

198 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

199 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

200 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

201 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

202 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT009 SCV01 - Submerged Combustion Vaporizer

203 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

204 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

205 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

206 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

207 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

208 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

209 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

210 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714) . The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. [LAC 33:III.501.C.6, LAC 33:III.509]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

EQT010 SCV02 - Submerged Combustion Vaporizer

211 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

212 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT010 SCV02 - Submerged Combustion Vaporizer

213 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

214 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

215 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

216 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

217 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

218 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

219 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

220 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

221 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

222 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT010 SCV02 - Submerged Combustion Vaporizer

223 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

224 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

225 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

226 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

227 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

228 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

229 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

230 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT011 SCV03 - Submerged Combustion Vaporizer

231 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

232 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT011 SCV03 - Submerged Combustion Vaporizer

233 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

234 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

235 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

236 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

237 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

238 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

239 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

240 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

241 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

242 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT011 SCV03 - Submerged Combustion Vaporizer

243 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

244 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

245 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

246 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

247 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

248 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

249 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

250 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT012 SCV04 - Submerged Combustion Vaporizer

251 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

252 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT012 SCV04 - Submerged Combustion Vaporizer

253 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

254 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

255 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

256 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

257 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

258 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

259 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

260 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

261 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

262 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT012 SCV04 - Submerged Combustion Vaporizer

263 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

264 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

265 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

266 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

267 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

268 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

269 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

270 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT013 SCV05 - Submerged Combustion Vaporizer

271 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

272 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT013 SCV05 - Submerged Combustion Vaporizer

273 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

274 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

275 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

276 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

277 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

278 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

279 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

280 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

281 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

282 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT013 SCV05 - Submerged Combustion Vaporizer

283 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

284 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

285 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

286 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

287 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

288 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

289 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

290 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT014 SCV06 - Submerged Combustion Vaporizer

291 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

292 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT014 SCV06 - Submerged Combustion Vaporizer

293 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

294 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

295 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

296 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

297 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

298 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

299 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

300 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

301 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

302 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT014 SCV06 - Submerged Combustion Vaporizer

303 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

304 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

305 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

306 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

307 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

308 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

309 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

310 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT015 SCV07 - Submerged Combustion Vaporizer

311 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

312 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT015 SCV07 - Submerged Combustion Vaporizer

313 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

314 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

315 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

316 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

317 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

318 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

319 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

320 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

321 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

322 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT015 SCV07 - Submerged Combustion Vaporizer

323 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

324 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

325 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

326 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

327 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

328 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

329 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

330 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT016 SCV08 - Submerged Combustion Vaporizer

331 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

332 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT016 SCV08 - Submerged Combustion Vaporizer

333 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

334 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

335 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

336 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

337 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

338 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

339 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

340 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

341 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

342 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT016 SCV08 - Submerged Combustion Vaporizer

343 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

344 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

345 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

346 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

347 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

348 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

349 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

350 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT017 SCV09 - Submerged Combustion Vaporizer

351 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

352 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT017 SCV09 - Submerged Combustion Vaporizer

353 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

354 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

355 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology *Division, Engineering Services. [LAC 33:III.501.C.6]*

356 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

357 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

358 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

359 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

360 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

361 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

362 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT017 SCV09 - Submerged Combustion Vaporizer

363 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

364 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

365 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

366 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

367 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

368 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

369 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

370 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT018 SCV10 - Submerged Combustion Vaporizer

371 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

372 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT018 SCV10 - Submerged Combustion Vaporizer

373 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

374 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

375 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

376 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

377 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

378 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

379 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

380 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

381 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

382 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT018 SCV10 - Submerged Combustion Vaporizer

383 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

384 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

385 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

386 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

387 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

388 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

389 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

390 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT019 SCV11 - Submerged Combustion Vaporizer

391 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

392 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT019 SCV11 - Submerged Combustion Vaporizer

393 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

394 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

395 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

396 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

397 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

398 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

399 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

400 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

401 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

402 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT019 SCV11 - Submerged Combustion Vaporizer

403 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

404 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

405 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

406 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

407 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

408 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

409 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

410 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT020 SCV12 - Submerged Combustion Vaporizer

411 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

412 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT020 SCV12 - Submerged Combustion Vaporizer

413 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

414 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

415 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

416 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

417 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

418 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

419 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

420 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

421 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

422 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT020 SCV12 - Submerged Combustion Vaporizer

423 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

424 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

425 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

426 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

427 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

428 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

429 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

430 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT021 SCV13 - Submerged Combustion Vaporizer

431 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

432 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT021 SCV13 - Submerged Combustion Vaporizer

433 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

434 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

435 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

436 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

437 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

438 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

439 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

440 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

441 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

442 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT021 SCV13 - Submerged Combustion Vaporizer

443 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

444 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

445 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

446 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

447 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

448 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

449 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

450 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT022 SCV14 - Submerged Combustion Vaporizer

451 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

452 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT022 SCV14 - Submerged Combustion Vaporizer

453 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

454 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

455 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

456 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

457 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

458 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

459 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

460 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

461 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

462 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT022 SCV14 - Submerged Combustion Vaporizer

463 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

464 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

465 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

466 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

467 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

468 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

469 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

470 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT023 SCV15 - Submerged Combustion Vaporizer

471 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

472 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT023 SCV15 - Submerged Combustion Vaporizer

473 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

474 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

475 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

476 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

477 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

478 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

479 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

480 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

481 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

482 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT023 SCV15 - Submerged Combustion Vaporizer

483 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

484 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

485 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

486 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

487 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

488 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

489 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

490 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT024 SCV16 - Submerged Combustion Vaporizer

491 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

492 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT024 SCV16 - Submerged Combustion Vaporizer

493 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption *from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard.* Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

494 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

495 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

496 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

497 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

498 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

499 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

500 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

501 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. *[LAC 33:III.501.C.6]*

502 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT024 SCV16 - Submerged Combustion Vaporizer

503 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

504 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

505 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

506 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

507 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

508 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

509 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

510 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT025 SCV17 - Submerged Combustion Vaporizer

511 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

512 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT025 SCV17 - Submerged Combustion Vaporizer

513 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

514 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

515 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

516 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

517 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

518 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

519 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

520 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

521 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

522 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT025 SCV17 - Submerged Combustion Vaporizer

523 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

524 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

525 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

526 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

527 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

528 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

529 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

530 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT026 SCV18 - Submerged Combustion Vaporizer

531 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

532 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT026 SCV18 - Submerged Combustion Vaporizer

533 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

534 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

535 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

536 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

537 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

538 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

539 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

540 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

541 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

542 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT026 SCV18 - Submerged Combustion Vaporizer

543 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

544 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

545 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

546 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

547 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

548 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

549 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

550 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT027 SCV19 - Submerged Combustion Vaporizer

551 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

552 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT027 SCV19 - Submerged Combustion Vaporizer

553 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

554 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

555 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology *Division, Engineering Services. [LAC 33:III.501.C.6]*

556 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

557 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

558 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

559 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

560 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

561 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

562 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT027 SCV19 - Submerged Combustion Vaporizer

563 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

564 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

565 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

566 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

567 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

568 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

569 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

570 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT028 SCV20 - Submerged Combustion Vaporizer

571 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

572 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT028 SCV20 - Submerged Combustion Vaporizer

573 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

574 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

575 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

576 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

577 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

578 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

579 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

580 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

581 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

582 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT028 SCV20 - Submerged Combustion Vaporizer

583 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

584 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

585 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

586 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

587 *Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each* SCV or restart after modification. [LAC 33:III.501.C.6]

588 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

589 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

590 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

EQT029 SCV21 - Submerged Combustion Vaporizer

591 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

592 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

EQT029 SCV21 - Submerged Combustion Vaporizer

593 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

594 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

595 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

596 Conduct a performance/emissions test: Due (on 11 of 21 SCVs) within 180 days after initial startup (or restart-up after modification of any SCV), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the performance/emission test such that all 21 SCVs are tested or retested every 5 years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

597 Submerged Combustion Vaporizers: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. From PSD-LA-714, the following is determined as BACT, for each SCV:
to limit NOx emissions, use low NOx burners with water injection, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit NOx from exhaust emissions to 30 ppmvd at 3% O2;
to limit CO emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit CO from exhaust emissions to 80 ppmvd at 5% O2;
to limit PM/PM10 emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit PM/PM10 emission rates to 0.15 lb/hr (0.0014 lb/MM Btu) each; and
to limit VOC emissions, employ good combustion practices including the use as fuel of natural gas in the form of vaporized LNG from the boil-off gas (BOG) compressors (or equivalent), and limit VOC emission rates to 0.32 lb/hr each. [LAC 33:III.501.C.6, LAC 33:III.509]

598 Nitrogen oxides: Install, calibrate, maintain, and operate a continuous monitoring system (CMS), and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere. [LAC 33:III.501.C.6]

599 Nitrogen oxides recordkeeping by CMS continuously When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, record data obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day. [LAC 33:III.501.C.6]

600 Nitrogen oxides: When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each SCV unit operating day, in at least 22 out of 30 successive steam generating unit operating days. [LAC 33:III.501.C.6]

601 Nitrogen oxides: Operate CMS and record data during all periods of operation of the SCV, except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. [LAC 33:III.501.C.6]

602 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates using the 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor, expressed in lb/MMBtu heat input. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

EQT029 SCV21 - Submerged Combustion Vaporizer

603 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed below for each SCV unit operating day:
(1) Calendar date;
(2) The average hourly nitrogen oxides emission rates (lb/MMBtu heat input) measured or predicted;
(3) The 30-day average nitrogen oxides emission rates (lb/MMBtu heat input) calculated at the end of each SCV operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 SCV unit operating days;
(4) Identification of the SCV unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions limit, with the reasons for such excess emissions as well as a description of corrective actions taken;
(5) Identification of the SCV unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
(7) Identification of F factor used for calculations, method of determination, and type of fuel combusted;
(8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system;
(9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3; and
(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1. [LAC 33:III.501.C.6]

604 Submit reports containing the nitrogen dioxide emission rate information recorded for each SCV. [LAC 33:III.501.C.6]

605 Fuel rate recordkeeping by electronic or hard copy daily. Record the amount of fuel combusted during each day and calculate the annual capacity factor for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [LAC 33:III.501.C.6]

606 Submit the performance test data from the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. [LAC 33:III.501.C.6]

607 Nitrogen oxides: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of each SCV or restart after modification. [LAC 33:III.501.C.6]

608 Particulate matter (10 microns or less) <= 0.0014 lb/MMBTU, based on 108 MM BTU/hr maximum heat input. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

609 Nitrogen oxides <= 30 ppmdv @ 3% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Thirty-day rolling average

610 Carbon monoxide <= 80 ppmdv @ 5% O2. (Defined as BACT under PSD-LA-714). [LAC 33:III.509, LAC 33:III.501.C.6]

FUG001 FUG - Fugitive Emissions

611 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

GRP001 Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal

612 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

613 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

GRP001 **Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal**

614 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]

615 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, *registration, or variance. [LAC 33:III.219]*

616 Four LNG Storage Tanks, Dock, and Terminal: Per LAC 33:III.509.J.3, apply best available control technology (BACT) for pollutants, NOx, CO, PM/PM10, and VOC (ozone), to each proposed emissions unit at which a net emissions increase in the pollutant would occur. The following is determined as BACT for the LNG Storage Tanks, Dock, and Terminal: to limit VOC emissions, employ good control and operating practices. [LAC 33:III.501.C.6, LAC 33:III.509]

617 Particulate matter (10 microns or less) <= 48.39 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

618 Sulfur dioxide <= 4.83 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

619 Nitrogen oxides <= 865.85 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

620 Carbon monoxide <= 948.62 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

621 Benzene <= 0.090 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

622 Formaldehyde <= 3.474 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

623 Toluene <= 0.696 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

624 1,3-Butadiene <= 0.020 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

625 Polynuclear Aromatic Hydrocarbons <= 0.018 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

626 Naphthalene <= 0.012 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

627 Xylene (mixed isomers) <= 0.367 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

628 n-Hexane <= 0.025 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

629 Ethyl benzene < 0.173 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

630 Acrolein <= 0.036 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

631 Acetaldehyde <= 0.266 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

632 VOC, Total <= 52.79 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

GRP001 **Facility - Creole Trail LNG LP - Creole Trail LNG Import Terminal**

633 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the limits and/or standards specified in this permit. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable limits and/or standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with BACT and permit limits. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.501.C.6, LAC 33:III.509]

634 Comply with the requirements of PSD-LA-714. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-714. [LAC 33:III.509]

635 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]

636 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]

637 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]

638 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]

639 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

640 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

641 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]

642 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]