

Steven Piper

From: eNotice TCEQ
Sent: Tuesday, November 4, 2025 2:56 PM
To: joan.huffman@senate.texas.gov; cody.vasut@house.texas.gov
Subject: TCEQ Notice - Permit Number O2878
Attachments: TCEQ Notice - O2878_39287.pdf

This email is being sent to electronically transmit an official document issued by the Office of Air of the Texas Commission on Environmental Quality.

This email is being sent to you because either (a) you filed a document with the Office of the Chief Clerk that made you part of the official mailing list for the above referenced matter, or (b) notice to you is legally required. As authorized by Texas Water Code 5.128, this electronic transmittal is replacing the previous practice of hard copy distribution. Amendments to Texas Government Code 552.137 prompted a change to the agency's privacy policy regarding confidentiality of certain email addresses. The revised privacy policy can be viewed at http://www.tceq.state.tx.us/help/policies/electronic_info_policy.html.

Questions regarding this email may be submitted either by replying directly to this email or by calling Mr. Rhyan Stone with the Air Permits Division at (512) 239-1293.

The attached document is provided in an Adobe Acrobat .pdf format. If you cannot display the attachment, you may need to visit the Adobe web site (<http://get.adobe.com/reader>) to download the free Adobe Acrobat Reader software.

Brooke T. Paup, *Chairwoman*
Catarina R. Gonzales, *Commissioner*
Tonya R. Miller, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 4, 2025

THE HONORABLE JOAN HUFFMAN
TEXAS SENATE
PO BOX 12068
AUSTIN TX 78711-2068

Re: Accepted Federal Operating Permit Significant Revision Application
Project Number: 39287
Permit Number: O2878
Freeport LNG Development, L.P.
Freeport Lng Regas Facility And Liquefaction Plant
Quintana, Brazoria County
Regulated Entity Number: RN103196689
Customer Reference Number: CN601720345

Dear Senator Huffman:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) significant revision application for a site located in your district. This application is being processed in an expedited manner, as allowed by the commission's rules in 30 Texas Administrative Code, Chapter 101, Subchapter J. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.3175,28.926944&level=13>.

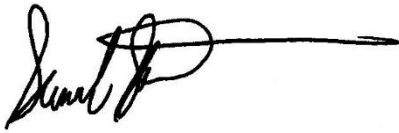
The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment at the site. The FOP identifies and codifies air emission requirements (known as applicable requirements) that apply to the emission units at the site. The FOP does not authorize construction of emission units or emissions from those units. The New Source Review (NSR) permit is the mechanism for these authorizations.

The Honorable Joan Huffman
Page 2
November 4, 2025

Re: Accepted Federal Operating Permit Significant Revision Application

This letter is being sent to you for information only and no action is required. If you need further information, please contact me at (512) 239-1250.

Sincerely,

A handwritten signature in black ink, appearing to read 'Samuel Short', followed by a long horizontal line extending to the right.

Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

Brooke T. Paup, *Chairwoman*
Catarina R. Gonzales, *Commissioner*
Tonya R. Miller, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 4, 2025

THE HONORABLE CODY VASUT
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Significant Revision Application
Project Number: 39287
Permit Number: O2878
Freeport LNG Development, L.P.
Freeport Lng Regas Facility And Liquefaction Plant
Quintana, Brazoria County
Regulated Entity Number: RN103196689
Customer Reference Number: CN601720345

Dear Representative Vasut:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) significant revision application for a site located in your district. This application is being processed in an expedited manner, as allowed by the commission's rules in 30 Texas Administrative Code, Chapter 101, Subchapter J. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.3175,28.926944&level=13>.

The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment at the site.

This letter is being sent to you for information only and no action is required. If you need further information, please contact me at (512) 239-1250.

Sincerely,

A handwritten signature in black ink, appearing to read "Samuel Short", followed by a long horizontal line.

Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

Texas Commission on Environmental Quality

Title V Existing

2878

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	FREEPORT LNG REGAS FACILITY AND LIQUEFACTION PLANT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1500 LAMAR ST
City	QUINTANA
State	TX
ZIP	77541
County	BRAZORIA
Latitude (N) (##.#####)	28.926944
Longitude (W) (-###.#####)	95.3175
Primary SIC Code	4925
Secondary SIC Code	
Primary NAICS Code	221210
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN103196689
What is the name of the Regulated Entity (RE)?	FREEPORT LNG LIQUEFACTION PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	Corner of Lamar and Cortez Streets
City	QUINTANA
State	TX
ZIP	77541
County	BRAZORIA
Latitude (N) (##.#####)	28.926944
Longitude (W) (-###.#####)	-95.3175
Facility NAICS Code	
What is the primary business of this entity?	LIQUIFIED NATURAL GAS LNG

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601720345
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Freeport LNG Development, L.P.
Texas SOS Filing Number	800125153
Federal Tax ID	
State Franchise Tax ID	12700304111
State Sales Tax ID	

Local Tax ID	
DUNS Number	
Number of Employees	21-100
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	FREEPORT LNG DEVELOPMENT LP
Prefix	MR
First	MICHAEL
Middle	
Last	MOPPERT
Suffix	
Credentials	
Title	CHIEF OPERATING OFFICER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	1500 LAMAR ST
Routing (such as Mail Code, Dept., or Attn:)	
City	QUINTANA
State	TX
ZIP	77541
Phone (###-###-####)	7134158744
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	MMoppert@freeportlng.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.

Organization Name	MICHAEL STEPHENSON(FREEPORT LNG DE...)
Prefix	FREEPORT LNG DEVELOPMENT LP
First	MR
Middle	MICHAEL
Last	STEPHENSON
Suffix	
Credentials	
Title	DIRECTOR OF REGULATORY AFFAIRS
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	1500 LAMAR ST

Routing (such as Mail Code, Dept., or Attn:)

City

State

Zip

Phone (###-###-####)

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

QUINTANA

TX

77541

9794158728

mstephenson@freeportlng.com

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

Organization Name

Prefix

First

Middle

Last

Suffix

Credentials

Title

Enter new address or copy one from list:

Mailing Address

Address Type

Mailing Address (include Suite or Bldg. here, if applicable)

Routing (such as Mail Code, Dept., or Attn:)

City

State

ZIP

Phone (###-###-####)

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

THONG MAN(FREEPORT LNG DE...)

FREEPORT LNG DEVELOPMENT LP

MR

THONG

MAN

PE

REGULATORY COMPLIANCE ENGINEER

Domestic

1500 LAMAR ST

QUINTANA

TX

77541

9792304820

tman@freeportlng.com

Title V General Information - Existing

1) Permit Type:

2) Permit Latitude Coordinate:

3) Permit Longitude Coordinate:

4) Is this submittal a new application or an update to an existing application?

4.1. What type of permitting action are you applying for?

4.1.1. Are there any permits that should be voided upon issuance of this permit application through permit conversion?

SOP

28 Deg 55 Min 37 Sec

95 Deg 19 Min 3 Sec

New Application

Significant Revision

No

4.1.2. Are there any permits that should be voided upon issuance of this permit application through permit consolidation?	No
5) Who will electronically sign this Title V application?	Duly Authorized Representative
6) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	N/A

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

Attach OP-2 (Application for Permit Revision/Renewal)

Attach OP-REQ1 (Application Area-Wide Applicability Determinations and General Information)

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

If applicable, attach OP-AR1 (Acid Rain Permit Application)

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name

Final LQF TV Significant Revision (2025-1103).pdf

Hash

F5848E670A8995B75261D31451DC285391A25DF0F165A9251DF210431CCA47A2

MIME-Type

application/pdf

An additional space to attach any other necessary information needed to complete the permit.

Expedite Title V

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?	Yes
1.1. Can the applicant demonstrate that the purpose of this application will benefit the	Yes

economy of this state or an area of this state?

1.2. Select the applicable expedited surcharge.

\$10,000

Certification

I certify that I am the Duly Authorized Representative for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Michael W Stephenson, the owner of the STEERS account ER029146.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V Existing 2878.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Michael W Stephenson OWNER OPERATOR

Account Number:	ER029146
Signature IP Address:	163.116.137.206
Signature Date:	2025-11-04
Signature Hash:	D90074A386FF35E1EF533EEC55540921C926101CA23462BE3A2B4EA86E4E65BB
Form Hash Code at time of Signature:	2C7E129ABF5957F5C854DF366BCCA027EA282D7E9BA447EFBA4854F15BEEAD90

Fee Payment

Transaction by:	The expedited fee payment transaction was made by ER029146/Michael W Stephenson
Paid by:	The expedited fee was paid by DEBORAH WALDEN-HERSH
Fee Amount:	\$10000.00
Paid Date:	The expedited fee was paid on 2025-11-04
Transaction/Voucher number:	The transaction number is 582EA000693150 and the voucher number is 791881

Submission

Reference Number:	The application reference number is 831246
Submitted by:	The application was submitted by ER029146/Michael W Stephenson
Submitted Timestamp:	The application was submitted on 2025-11-04 at 13:28:24 CST
Submitted From:	The application was submitted from IP address 163.116.137.206
Confirmation Number:	The confirmation number is 690251
Steers Version:	The STEERS version is 6.93
Permit Number:	The permit number is 2878

Additional Information

Application Creator: This account was created by Ishita Mathur

TITLE V SIGNIFICANT REVISION
Permit 02878



**Freeport LNG Development, L.P./
Liquefaction Plant and Regas Terminal**

Prepared By:

Deborah Walden-Hersh, P.E. – Principal Consultant
Sophia Gray, E.I.T – Consultant
Ishita Mathur – Consultant
Jeremy Harrison – Consultant

TRINITY CONSULTANTS

9737 Great Hills Trail
Suite 340
Austin, TX 78759
(512) 349-5800

November 2025

Project 254404.0012



TABLE OF CONTENTS

1. EXECUTIVE SUMMARY	1-1
2. PROCESS DESCRIPTION	2-1
3. TCEQ FORM OP-2	3-1
4. TCEQ FORM OP-REQ1	4-1
5. MAJOR NSR SUMMARY TABLE	5-1

1. EXECUTIVE SUMMARY

Freeport LNG Development, L.P. (Freeport LNG) owns and operates a Liquefied Natural Gas (LNG) Liquefaction Plant and regasification terminal (Regas Terminal), located on Quintana Island near Freeport, Texas. Freeport LNG has been assigned Texas Commission on Environmental Quality (TCEQ) Customer Number (CN) 601720345. The Liquefaction Plant and Regas Terminal have been assigned TCEQ Air Quality Account No. BL-A014-N and Regulated Entity Number (RN) 103196689 and are currently permitted under New Source Review (NSR) Permits No. 55464 and 100114, various Permit by Rules (PBRs), and Title V Permit No. O2878.

The Liquefaction Plant and Regas Terminal are located in Brazoria County, which is currently classified as a "severe" nonattainment area for the 2008 8-hr ozone standard, "serious" nonattainment for the 2015 8-hour ozone standard, and attainment or unclassified for all other pollutants.¹

Freeport LNG received a draft permit for the approval of an amendment to NSR Permit No. 100114 and initial issuance of Nonattainment New Source Review (NNSR) Permit N304, which authorizes "as-built" changes and a flare gas recovery project at the Liquefaction Plant. Since the changes being authorized are retrospective, Freeport LNG is submitting this application for a significant revision to the existing Title V Permit No. O2878 for the inclusion of the NSR amendment prior to the issuance of the NSR permit and requests expedited review of this Title V application so that the Title V permit may be issued expeditiously after the issuance of the NSR permit.

1.1 Changes at the Site

The following changes have been authorized at LQF as part of the NSR Permit Amendment.

"As-built" changes:

- ▶ Additional streams controlled by the flare (Emission Point Number [EPN] LIQFLARE) are being added, including those associated with valve and analyzer gas venting and proposed maintenance, start-up, and shutdown (MSS) events;
- ▶ Adjustment to fugitive emissions resulting from ground truthing of component counts (EPNs FUG-LIQ123 and FUG-LIQ4);
- ▶ Addition of vessel opening emissions from maintenance activities (EPN MSS-FUG1-3 and MSS-FUG4);
- ▶ Updates to representations presented in previous permit applications.

Flare gas recovery project changes:

- ▶ Flare gas recovery project, which will reduce valve and analyzer gas vented to the flare; and
- ▶ Increased fugitive components associated with this project.

Of these changes, none result in a change to equipment, controls, or rule applicability for any emission sources in the Title V permit and there are no new emission sources required to be added to the permit. In addition, no new emission units are subject to Compliance Assurance Monitoring (CAM). Therefore, the revision is being made only to update the Major NSR Summary Table, NSR and NNSR permit references throughout the Title V permit.

¹ https://www3.epa.gov/airquality/greenbook/anayo_tx.html, last accessed June 2025.

1.2 Revision Application Contents

The enclosed Title V revision application for Freeport LNG consists of the following forms along with supplemental information.

- ▶ Section 2: Process Description
- ▶ Section 3: TCEQ Form OP-2
- ▶ Section 4: TCEQ Form OP-REQ1
- ▶ Section 5: Major NSR Summary Table

2. PROCESS DESCRIPTION

This section includes a process description of the operations on LQF sources. A process flow diagram is included at the end of this section.

2.1 Liquefaction Process Description

The liquefaction process is based on the Air Products and Chemicals, Inc. (APCI) propane, precooled, mixed component refrigerant process. The APCI process uses two types of refrigeration cycles to precool and liquefy the natural gas feed. The natural gas feed is first precooled using propane refrigerant at four different descending pressure levels and their corresponding lower vaporization temperatures.

To convert the treated feed gas into LNG, the gas is first precooled with propane refrigerant, after which it is sent to the main cryogenic heat exchanger (MCHE). At the MCHE, it is further cooled inside heat exchanger tubes by a lower temperature, mixed refrigerant flowing outside the tubes. As the feed gas flows up the tubes, it starts condensing by transferring heat to the liquid /vapor mixed refrigerant, which warms up and vaporizes as it flows down the outside of the tubes. Upon exiting the MCHE, the heated mixed refrigerant is then cooled by ambient air, compressed, and subsequently chilled by propane refrigerant in heat exchangers, where a portion of the refrigerant condenses.

After separating the vapor and liquid streams of mixed refrigerant, both streams are introduced into the MCHE tube bundles where they are further cooled by the mixed refrigerant. Then the liquefied mixed refrigerant streams exit the MCHE and are depressurized and admitted to the MCHE to provide cooling for the conversion of methane rich gas into LNG. The liquid mixed refrigerant stream is depressurized through a hydraulic turbine to increase the overall process efficiency. The high-pressure LNG exiting the MCHE is depressurized through a hydraulic turbine (expander) and delivered to any of the existing, authorized LNG storage tanks (i.e., Tanks 1, 2, and/or 3).

2.2 Regas Terminal

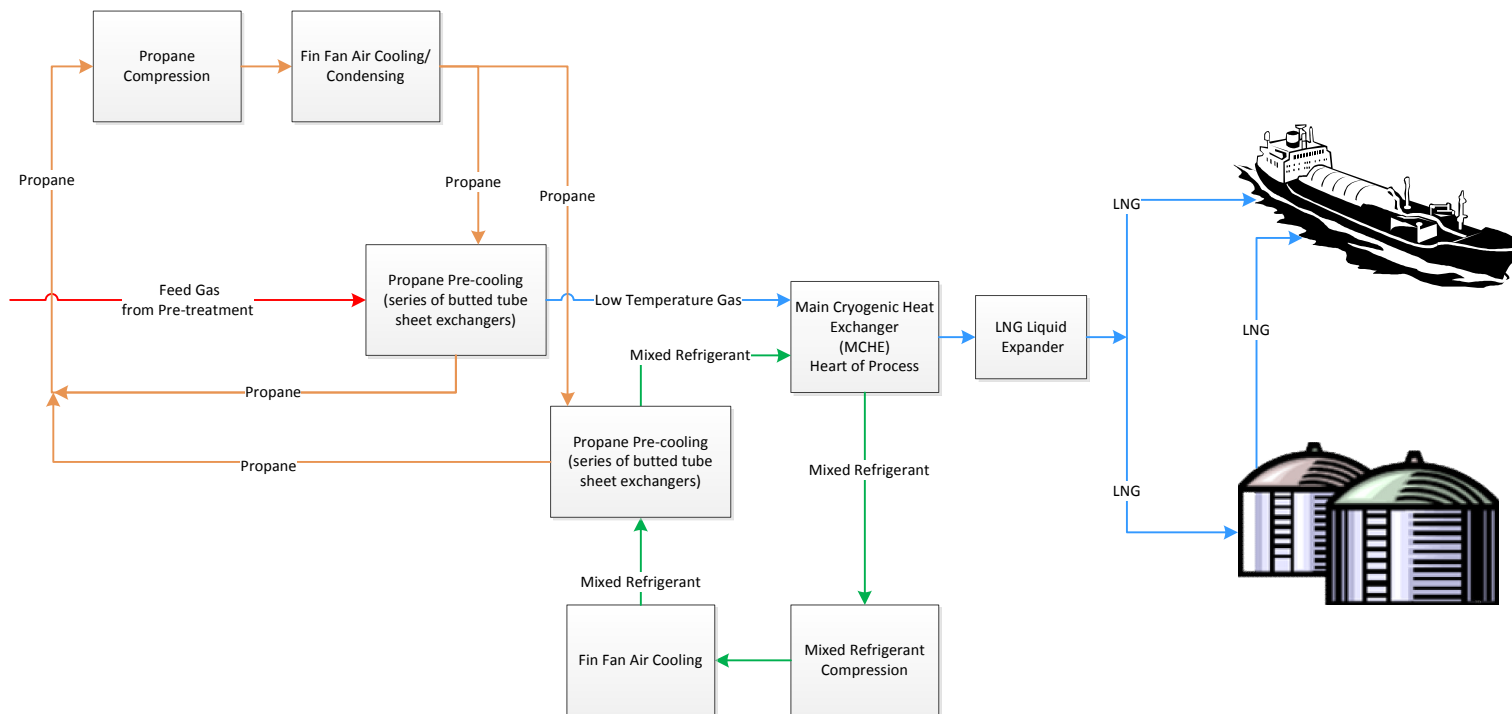
The Regas Terminal consists of two sections. The first includes the LNG exporting facility, two docking facilities), and associated piping and equipment. The second section consists of LNG storage and vaporization facilities, which include three LNG storage tanks, emissions control equipment, vaporization units, and associated piping.

LNG produced in Trains 1-4 is loaded into vessels for transport. When gas conditioning a ship to accept LNG produced in Trains 1-4, the gas stream from the vessel is directed to the boil-off gas system (BOG) or is controlled by a flare (EPN FLR).

During routine operation of the terminal facilities, stored LNG vapor is continually boiling off as thermal energy penetrates the storage tanks, vaporization units, and associated piping and equipment. Basically, ambient heat warms up a portion of the LNG and causes it to evaporate. The vaporizing LNG increases storage tank pressure until a point is reached where the LNG vapor must be transferred elsewhere; either vented to the flare or to the atmosphere, or it may be captured and reliquefied. Under the existing terminal operation, BOG may be compressed and enters the terminal's send-out transmission pipeline for domestic delivery.



Liquefaction System



3. TCEQ FORM OP-2

**Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 1
Texas Commission on Environmental Quality**

Date: 11/03/2025	
Permit No.: O2878	
Regulated Entity No.: RN103196689	
Company Name: Freeport LNG Development, L.P.	
For Submissions to EPA	
Has an electronic copy of this application been submitted (or is being submitted) to EPA? ☒ YES ☐ NO	
I. Application Type	
Indicate the type of application:	
☐ Renewal	
☐ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)	
☒ Significant Revision	
☐ Revision Requesting Prior Approval	
☐ Administrative Revision	
☐ Response to Reopening	
II. Qualification Statement	
For SOP Revisions Only ☒ YES ☐ NO	
For GOP Revisions Only ☐ YES ☐ NO	

**Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 1 (continued)
Texas Commission on Environmental Quality**

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)
Indicate all pollutants for which the site is a major source based on the site's potential to emit: (Check the appropriate box[es].)
☒ VOC ☒ NO _x ☐ SO ₂ ☐ PM ₁₀ ☒ CO ☐ Pb ☐ HAP
Other:
IV. Reference Only Requirements (For reference only)
Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)? ☒ YES ☐ NO ☐ N/A
V. Delinquent Fees and Penalties
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.

**Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 2
Texas Commission on Environmental Quality**

Date: 11/03/2025
Permit No.: O2878
Regulated Entity No.: RN103196689
Company Name: Freeport LNG Development, L.P.

Using the table below, provide a description of the revision.

Revision No.	Revision Code		Unit/Group	Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	SIG-E	NO		OP-REQ1	100114	Updating NSR Permit No. 100114 and EPA Permit N304 issuance date.

**Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3
Texas Commission on Environmental Quality**

Date: 11/03/2025	
Permit No.: O2878	
Regulated Entity No.: RN103196689	
Company Name: Freeport LNG Development, L.P.	
I. Significant Revision <i>(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)</i>	
A. Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	☒ YES ☐ NO
B. Indicate the alternate language(s) in which public notice is required: Spanish	
C. Will, there be a change in air pollutant emissions as a result of the significant revision?	☒ YES ☐ NO

**Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3
Texas Commission on Environmental Quality**

Using the table below, indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions
Volatile organic compounds	Increase in pollutant emissions as a result of the significant revision.
Nitrogen oxides	Increase in pollutant emissions as a result of the significant revision.
Sulfur dioxide	Increase in pollutant emissions as a result of the significant revision.
Carbon monoxide	Increase in pollutant emissions as a result of the significant revision.

4. TCEQ FORM OP-REQ1

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 88)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/03/2025	O2878	RN103196689

For SOP applications, answer ALL questions unless otherwise directed.

◆ For GOP applications, answer ONLY these questions unless otherwise directed.

XII. NSR Authorizations (Attach additional sheets if necessary for sections XII.E-J.)

E. PSD Permits and PSD Major Pollutants

Permit No.	Issuance Date	Pollutant(s):	Permit No.	Issuance Date	Pollutant(s):

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

F. Nonattainment (NA) Permits and NA Major Pollutants

Permit No.	Issuance Date	Pollutant(s):	Permit No.	Issuance Date	Pollutant(s):
N304	TBD	NO _x , VOC			

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.	Issuance Date	NSR Permit No.	Issuance Date	NSR Permit No	Issuance Date

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 89)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/03/2025	O2878	RN103196689

For SOP applications, answer ALL questions unless otherwise directed.

- ◆ For GOP applications, answer ONLY these questions unless otherwise directed.

XII. NSR Authorizations (continued) - (Attach additional sheets if necessary for sections XII.E-J.)

- ◆ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

Authorization No.	Issuance Date	Authorization No.	Issuance Date	Authorization No.	Issuance Date
55464	10/06/2025				
100114	TBD				

- ◆ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**

A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.

PBR No.	Version No./Date	PBR No.	Version No./Date	PBR No.	Version No./Date
106.122	09/04/2000	106.472	09/04/2000		
106.227	09/04/2000	106.473	09/04/2000		
106.263	11/01/2001	106.476	09/04/2000		
106.265	09/04/2000	106.492	09/04/2000		
106.355	11/01/2001	106.511	09/04/2000		
106.412	09/04/2000	106.532	09/04/2000		
106.433	09/04/2000				
106.452	09/04/2000				

- ◆ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits with an Air Addendum**

Permit No.	Issuance Date	Permit No.	Issuance Date	Permit No.	Issuance Date

5. MAJOR NSR SUMMARY TABLE

Major NSR Summary Table							
Permit Numbers: 100114 and N304					Issuance Date: TBD		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (5)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
LIQFLARE	Liquefaction Flare (Before construction of flare gas recovery and Train 4) (7)	NOx	80.1	47.43	5, 6, 7, 8, 14, 15, 17, 18, 19, 20	5, 8, 14, 15, 17, 18, 24	5, 8
		NOx (MSS)	6674.08				
		CO	318.99	188.91			
		CO (MSS)	26580.25				
		SO2	0.71	0.34			
		SO2 (MSS)	13.38				
		VOC	6.26	19.55			
		VOC (MSS)	3539				
LIQFLARE	Liquefaction Flare (Before construction of Train 4 and after construction of flare gas recovery) (7)	NOx	40.16	40.19	5, 6, 7, 8, 14, 15, 17, 18, 19, 20	5, 8, 14, 15, 17,18, 24	5, 8
		NOx (MSS)	6634.15				
		CO	159.95	160.07			
		CO (MSS)	26421.21				
		SO2	0.36	0.21			
		SO2 (MSS)	13.03				
		VOC	3.15	18.41			
		VOC (MSS)	3536				
LIQFLARE	Liquefaction Flare (After construction of Train 4 and flare gas recovery) (7)	NOx	53.47	42.61	5, 6, 7, 8, 14, 15, 17, 18, 19, 20	5, 8, 14, 15, 17,18, 24	5, 8
		NOx (MSS)	6647.46				
		CO	212.96	169.68			
		CO (MSS)	26474.23				
		SO2	0.47	0.25			
		SO2 (MSS)	13.15				
		VOC	4.19	18.79			
		VOC (MSS)	3536.71				
LIQFWP-1	Fire Water Pump 1	NOx	3.25	0.16	3, 4, 9	3, 4, 9, 24	3, 4, 9
		CO	0.85	0.04			
		PM	0.10	<0.01			
		PM10	0.10	<0.01			
		PM2.5	0.10	<0.01			
		SO2	0.01	<0.01			
		H2SO4 (8)	<0.01	<0.01			
		VOC	0.11	0.01			

Major NSR Summary Table							
Permit Numbers: 100114 and N304					Issuance Date: TBD		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (5)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
LIQFWP-2	Fire Water Pump 2	NOx	3.3	0.16	3, 4, 9	3, 4, 9, 24	3, 4, 9
		CO	0.85	0.04			
		PM	0.10	<0.01			
		PM10	0.10	<0.01			
		PM2.5	0.10	<0.01			
		SO2	0.01	<0.01			
		H2SO4 (8)	<0.01	<0.01			
		VOC	0	0.01			
LIQFWP-3	Fire Water Pump 3	NOx	3.25	0.16	3, 4, 9	3, 4, 9, 24	3, 4, 9
		CO	0.85	0.04			
		PM	0.1	<0.01			
		PM10	0.1	<0.01			
		PM2.5	0.1	<0.01			
		SO2	0.01	<0.01			
		H2SO4 (8)	<0.01	<0.01			
		VOC	0.11	0.0			
LIQEG-1	Emergency Generator 1 (DQFAH)	NOx	1.38	0.03	3, 4, 9	3, 4, 9, 24	3, 4, 9
		CO	2.00	0.05			
		PM	0.05	<0.01			
		PM10	0.05	<0.01			
		PM2.5	0.05	<0.01			
		SO2	0.02	<0.01			
		H2SO4 (8)	<0.01	<0.01			
		VOC	0.13	<0.01			
		NH3	0.51	0.01			

Major NSR Summary Table							
Permit Numbers: 100114 and N304					Issuance Date: TBD		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (5)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
LIQEG-2	Emergency Generator 2 (DQFAH)	NOx	1.38	0.03	3, 4, 9	3, 4, 9, 24	3, 4, 9
		CO	2.00	0.05			
		PM	0.05	<0.01			
		PM10	0.05	<0.01			
		PM2.5	0.05	<0.01			
		SO2	0.02	<0.01			
		H2SO4 (8)	<0.01	<0.01			
		VOC	0.13	<0.01			
		NH3	0.51	0.01			
LIQEG-3	Emergency Generator 3 (DQFAH)	NOx	1.38	0.03	3, 4, 9	3, 4, 9, 24	3, 4, 9
		CO	2.00	0.05			
		PM	0.05	<0.01			
		PM10	0.05	<0.01			
		PM2.5	0.05	<0.01			
		SO2	0.02	<0.01			
		H2SO4	<0.01	<0.01			
		VOC	0.13	<0.01			
		NH3	0.51	0.01			
LIQEG-4	Emergency Generator 4 (DQFAH)	NOx	1.38	0.0	3, 4, 9	3, 4, 9, 24	3, 4, 9
		CO	2	0.05			
		PM	0.05	<0.01			
		PM10	0.05	<0.01			
		PM2.5	0.05	<0.01			
		SO2	0.02	<0.01			
		H2SO4 (8)	<0.01	<0.01			
		VOC	0.13	<0.01			
		NH3	0.51	0.01			
LIQEG-5	Emergency Generator – Guard House/Admin Area (DQDAA)	NOx	3.50	0.09	3, 4, 9	3, 4, 9, 24	3, 4, 9
		CO	0.79	0.02			
		PM	0.04	<0.01			
		PM10	0.04	<0.01			
		PM2.5	0.04	<0.01			
		SO2	0.01	<0.01			
		H2SO4 (8)	<0.01	<0.01			
		VOC	0.05	<0.01			

Major NSR Summary Table							
Permit Numbers: 100114 and N304					Issuance Date: TBD		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (5)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
LIQEG-6	Emergency Generator – Dock 2 (DSGAD)	NOx	2.64	0.07	3, 4, 9	3, 4, 9, 24	3, 4, 9
		CO	0.18	<0.01			
		PM	0.02	<0.01			
		PM10	0.02	<0.01			
		PM2.5	0.02	<0.01			
		SO2	<0.01	<0.01			
		H2SO4 (8)	<0.01	<0.01			
		VOC	0.02	<0.01			
LIQEG-7	Train 4 - Emergency Generator 4 (DQFAH)	NOx	1.38	0.03	3, 4, 9	3, 4, 9, 24	3, 4, 9
		CO	2.00	0.05			
		PM	0.05	<0.01			
		PM10	0.05	<0.01			
		PM2.5	0.05	<0.01			
		SO2	0.02	<0.01			
		H2SO4 (8)	<0.01	<0.01			
		VOC	0.13	<0.01			
LIQEAC-1	Emergency Air Compressor (QSX15)	NH3	0.51	0.01	3, 4, 9	3, 4, 9, 24	3, 4, 9
		NOx	1.87	0.05			
		CO	1.73	0.04			
		PM	0.10	<0.01			
		PM10	0.10	<0.01			
		PM2.5	0.10	<0.01			
		SO2	0.01	<0.01			
		H2SO4 (8)	<0.01	<0.01			
LIQEAC-2	Train 4 - Emergency Air Compressor (QSX15)	VOC	0.10	<0.01	3, 4, 9	3, 4, 9, 24	3, 4, 9
		NH3	0.06	<0.01			
		NOx	1.87	0.05			
		CO	1.73	0.04			
		PM	0	<0.01			
		PM10	0	<0.01			
		PM2.5	0	<0.01			
		SO2	0.01	<0.01			
		H2SO4 (8)	<0.01	<0.01			
		VOC	0.10	<0.01			
		NH3	0.06	<0.01			

Major NSR Summary Table							
Permit Numbers: 100114 and N304					Issuance Date: TBD		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (5)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
LEGT-1	Emergency Generator Tank 1	VOC	0.01	<0.01			
LEGT-2	Emergency Generator Tank 2	VOC	0.01	<0.01			
LEGT-3	Emergency Generator Tank 3	VOC	0.01	<0.01			
LEGT-4	Emergency Generator Tank 4	VOC	0.01	<0.01			
LEGT-5	Emergency Generator Tank 5	VOC	0.01	<0.01			
LEGT-6	Emergency Generator Tank 6	VOC	0.01	<0.01			
LEGT-7	Emergency Generator Tank 7 – Train 4	VOC	0.01	<0.01			
LEACT-1	Backup Air Compressor Tank 1	VOC	0.01	<0.01			
LEACT-2	Backup Air Compressor Tank 2 - Train 4	VOC	0.01	<0.01			
LFWPT-1	Diesel Firewater Tank 1	VOC	0.01	<0.01			
LFWPT-2	Diesel Firewater Tank 2	VOC	0.01	<0.01			
LFWPT-3	Diesel Firewater Tank 3	VOC	0.01	<0.01			
FUG-LIQ123	Fugitives Train 1 – Train 3 (6)	VOC	1.14	5.00	10, 11, 12, 13, 17	10, 13, 17, 24	10, 17
		VOC (9)	1.16	5.1	10, 11, 12, 13, 17	10, 13, 17, 24	10, 17
FUG-LIQ4	Fugitives Train 4 (6)	VOC	0.39	1.7	10, 11, 12, 13, 17	10, 13, 17, 24	10, 17
		VOC (9)	0.43	1.87	10, 11, 12, 13, 17	10, 13, 17, 24	10, 17
11K-30, 12K-30, 13K-30 14K-30 11K-31 12K-31 13K-31 14K-31 11K-32/11K-33 12K-32/12K-33 13K-32/13K-33 14K-32/14K-33	Propane Compressors Lube Oil Vent Propane Compressors Lube Oil Vent Propane Compressors Lube Oil Vent Propane Compressors Lube Oil Vent LP MR Compressors Lube Oil Vent LP MR Compressors Lube Oil Vent LP MR Compressors Lube Oil Vent LP MR Compressors Lube Oil Vent MP/HP MR Compressor Lube Oil Vents MP/HP MR Compressor Lube Oil Vents MP/HP MR Compressor Lube Oil Vents MP/HP MR Compressor Lube Oil Vents	PM	0.03	0.11	10, 11, 12, 13, 17	10, 13, 17, 24	10, 17
		PM10	0.03	0.11			
		PM2.5	0.03	0.11			
		VOC	<0.01	<0.01			

Major NSR Summary Table							
Permit Numbers: 100114 and N304					Issuance Date: TBD		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (5)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
MSS-FUG1-3	Fugitives - Train 1 - Train 3 Vessel Opening for Maintenance	VOC	29.27	0.01	14, 15, 16, 17, 18, 21	14, 15, 16, 17, 18, 21, 24	14
MSS-FUG4	Fugitives - Train 4 Vessel Opening for Maintenance	VOC	29.27	0.01	14, 15, 16, 17, 18, 21	14, 15, 16, 17, 18, 21, 24	14
ALL	All EPNs at the site	Individual HAP	--	<10	--	--	--
		Total HAPs	--	<25			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources, use area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in Title 29 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

H₂SO₄ - sulfuric acid mist

H₂S - hydrogen sulfide

NH₃ - ammonia

(4) Planned startup and shutdown (SS) lbs/hour emissions for all pollutants are authorized even if not specifically identified as SS.

(5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission rates for each source include planned SS emissions.

(6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

(7) Only one Flare operating scenario is authorized at a time.

(8) Sulfuric acid mist is a subset of PM_{2.5} emissions.

(9) Limit after the flare gas recovery has been installed.