



BHE GT&S, LLC
10700 Energy Way
Glen Allen, VA 23060

July 24, 2026

BY ELECTRONIC SUBMITTAL

John Artes
Air Quality Compliance Program/Administrator
Air and Radiation Management Administration
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230-1720
john.artes@maryland.gov
mdeair.othercompliance@maryland.gov

RE: Cove Point LNG, LP
Title V Permit 24-009-0021
Quarterly LDAR Report
Second Quarter 2026

Dear Mr. Artes:

Please find attached the Quarterly Leak Detection and Repair (LDAR) Summary Reports for the Cove Point Liquefied Natural Gas (LNG) Terminal's Liquefaction Facility (Facility) in Lusby, Maryland covering the period of April 1, 2026 through June 30, 2026. The reports provide data and information required by the Facility's Title V Permit 24-009-0021.

There were no known deviations of the LDAR Program for second quarter 2026. An estimated total of 0.04% of the components monitored during the reporting period were reported as leaking. Of these components, 32.7% were repaired within 1 day and, on average, a repair not considered for delay of repair was completed within 1.8 days.

A summary of the emissions are as follows:

LDAR Emissions – Cove Point Liquefaction Export Terminal				
Month	Monthly Block Emissions (tons)		12-Month Rolling Emissions (tons)	
	CO ₂ e	VOC	CO ₂ e	VOC
April 2026	27.71	0.37	288.3	5.82
May 2026	24.65	0.43	289.5	5.83
June 2026	24.39	0.41	295.2	5.82

If you have any questions, please contact Joseph Pietro at Joseph.Pietro@bhegts.com.

Sincerely,

Jeffrey R. Zehner, P.E.
Environmental Manager

Attachments (3)

Document Certification

Facility Name: Cove Point LNG, LP

Facility Location: 2100 Cove Point Road, Lusby, Maryland 20657

County: Calvert

Type of Submittal: Cove Point LNG, LP Terminal;
Quarterly LDAR Report: April 1, 2026 through June 30,
2026; Title V Permit 24-009-0021.

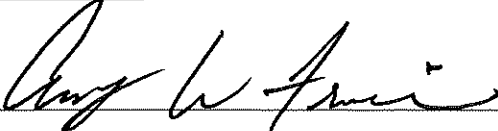
Certification: As required under COMAR 26.11.03, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Also, according to 40 CFR 71, I certify under penalty of law, based on information and belief formed after reasonable inquiry, the statements and information contained in these documents are true, accurate and complete.

Name of Responsible Official: Andy Francis

Title: Director, LNG Operations (Authorized Representative/Responsible Official)

Telephone: (410) 286 - 5117

Signature: 

Date: 7-21-2026



Cove Point LNG, LP
2100 Cove Point Road
Lusby, MD 20657

Date: May 11, 2026

To: Joe Pietro, BHE GT&S Senior Environmental Specialist (Air)
Jeff Zehner, BHE GT&S Environmental Manager (Air)
Justin Daniel, Cove Point LNG LDAR Technician
Aidan Lasky, Montrose Environmental LDAR Project Coordinator

From: Matt Ballantine, Cove Point Environmental Compliance Manager

Subject: Cove Point LNG, LP April 2026 Monthly Leak Detection and Repair Report

INTRODUCTION

Estimated fugitive emissions for the above referenced reporting period at the Cove Point LNG, LP liquefaction facility in Lusby, MD (the Facility) have been calculated based on Montrose Environmental (Montrose) leak survey data. Montrose has developed software to estimate fugitive emissions using a database of the components and results of the Leak Detection and Repair (LDAR) monitoring. The purpose of this memorandum is to document the basis for the emissions estimates and to present the results thereof.

GENERAL ASSUMPTIONS

The following notes provide the methodologies and assumptions used in estimating emissions from leaks at the Facility.

- As required by the Certificate of Public Convenience and Necessity (CPCN), and discussed in the LDAR Monitoring Plan, the calculation methodologies used to estimate emissions from leaks under all scenarios are based on the EPA's *Protocol for Equipment Leak Emissions Estimates* (EPA's *Protocol*) and TCEQ 28 LAER.

Monthly Summary Tables for Emission Reporting	
Total # of Components	119,444*
No. of deviations from the LDAR Monitoring Plan	0
No. of Components surveyed by OGI (estimated) (liquefaction only)	38,510
No. of Components surveyed by M21 (liquefaction only)	14,835
No. of Leaks Identified	31
Percent of Surveyed Components Leaking	0.06
Average No. of Days to Repair	2.2
No. of Repairs Completed within 1 Day / Percent of Leaks Repaired within 1 Day	9 / 29.0

Monthly Summary Tables for Emission Reporting	
No. of Components Placed on Delay of Repair List (based on the leaks detected during the reporting period)	11
No. of Components Removed from Delay of Repair List (based on repairs made during the reporting period only)	1

* The Facility is undergoing an effort to validate the component database does not include components that are excluded from both monitoring and emission calculations. The component inventory will be updated as these components are removed from the database and as field validation is completed during normal monitoring activities.

- The monthly emissions are provided in Attachment A. Information pertaining to how the emissions are calculated is presented below.
- Throughout the course of routine monitoring, new components may occasionally be found that were insulated before the component was identified and added to the LDAR database. These components are mostly flanges and connectors that are not easily identifiable in design documents and in the field. Since they are insulated, they are exempt from monitoring. However, upon discovery, they are documented in the LDAR monitoring component database and they become incorporated into the emissions calculations on a monthly basis. Similar to how leaking components are handled, all past emissions for the 12-month rolling average are incorporated into the emissions for the month in which the component is discovered. This includes all non-leak emissions and leak emissions using the appropriate leak factors and control efficiencies described above. Details of any newly discovered components are provided below. Also provided below is a table providing the monthly emissions from components that have been added to the database for the past 12 months. It is important to note that following discovery and date of addition to the database, the emissions are included in the facility-wide emission report (Attachment A). However, emissions from prior to the date of addition to the database are not included in the emission report (Attachment A) but are added to the Results Summary section of this report and shown in the New Components for Reporting Period table below.

Components Discovered Under Insulation for Reporting Period

Component ID	Date Added to Database	VOC Emissions to Add for Reporting Period (lbs)	CO2e Emissions to Add for Reporting Period (lbs)
None			

Monthly Emissions for Components Discovered Under Insulation

Month / Year	VOC Emissions (lbs)	CO2e Emissions (lbs)
January 2026	0.0	0.0
February 2026	0.0	0.0
March 2026	0.0	0.0
April 2026	0.0	0.0

- For the components monitored by Method 21 (M21):
 - Correlation equations are used for components that are monitored using M21 (1 ppmv to 40,000 ppmv).
 - Zero-leak emission factors are used for components with a screening value of 0 ppmv (M21) when the minimum detection limit (MDL) of the instrument is less than 1 ppmv or when a repair has been confirmed to be non-leaking.
 - Pegged emission factors are used for components leaking at or above 40,000 ppmv, as detected by the M21 instrument. Emission factors used are for 100,000 ppmv pegged value.
- For the remaining components, emissions were estimated using the Average O&G EFs¹ with applicable control efficiency, including components monitored using OGIC only.
- Average O&G EFs with no control efficiency are applied for unsafe components and any Delay of Repair (DOR) components that are not measured with M21.
- The stream composition information from the heat and material balances (H&MBs) was used to estimate the fraction of total emissions (estimated using EPA's *Protocol*) that are considered VOCs and greenhouse gases (GHGs). VOCs were estimated based on the sum of the mass fraction of hydrocarbon compounds higher than C₂, i.e., C₃+ (propane, butane, pentane, etc.). GHG emissions were estimated in carbon dioxide equivalents based on the mass fraction of carbon dioxide (CO₂), the mass fraction of methane (CH₄), and the methane 100-year global warming potential (GWP) of 25. Stream composition data is reviewed annually to determine if any updates are necessary. In February 2026, seven of the most prominent LDAR-applicable stream compositions were reviewed. These streams were selected because there are online analyzers, they are widespread, and they are controlling streams for other vapor and liquid streams. The average stream composition from these streams in 2025 was compiled and compared to the stream composition used in 2025. The data show that there were no significant changes when comparing online analyzers and the stream composition being used for emission calculations. The next review will occur in early-2027.

¹ [EPA-453/R-95-017]. The emission factors from Table 2-4 of the EPA Guidance are also referred to as the Average Oil and Gas Emission Factors.

- For both vapor and light liquid streams on the H&MB, the stream vapor pressure was calculated using the vapor pressure and mole fraction of each chemical present in the stream, as listed in the H&MB, pure chemical at 68°F (20°C). Streams with a vapor pressure less than 0.002 psia (@ 68°F) are exempt from emission calculations.

Some components may be exempt from being included in the emission totals due to stream composition. For example, several of the amine and glycol streams have vapor pressures less than 0.002 psia (@ 68°F), so, while listed as a component in the component database, they are not included in the emission calculations. Updates to the stream composition database will be reflected in the emission calculations.

- A leak is assumed to commence at the midpoint between the previous monitoring period and the current monitoring period (when identified) and last until it is repaired. Under the alternative work practice (AWP) published in 40 CFR §60.18, monitoring is performed bi-monthly. Leaks must be repaired within 15 days of identification. May 1, 2018 was used as the starting date for the LDAR monitoring program (leak identification).
- The component count as of the end of the reporting period is shown in the Monthly Summary Table for Emission Reporting.

When an update to the component database results in changes to a past month's component count, the difference in the past month's emissions will be added to the reporting period to which the component was added to the database and an explanation will be provided in that month's report.

The table below shows the component count changes in 2026.

Month	Number of Components	Notes
January 2026	118,815	Field validation resulted in removing the recently applied exemption status from 190 components.
February 2026	118,740	Field validation resulted in exempting 75 components for reasons such as being small diameter tubing.
March 2026	119,188	Field validation resulted in removing the recently applied exemption status from 448 components.
April 2026	119,444	Field validation resulted in removing the recently applied exemption status from 256 components.

- The Facility uses an AWP-based LDAR program, i.e., bi-monthly OGIC monitoring and annual Method 21 monitoring.

Additional information is available in Section 5.0 and Appendix C of the LDAR Monitoring Plan.

- Mandatory, facility-wide reporting data for the Maryland Methane Reduction Program is provided below.

(i) Date of the survey;

April 1, 2026 to April 30, 2026 – Concluded the 6th of 6 bimonthly OGIC events for the 2025-2026 monitoring year and concluded the annual 2025-2026 Method 21 survey for the Liquefaction Facility. The second quarter 2026 Non-Liquefaction Facility OGI survey is planned for June 2026.

Liquefaction Facility Surveys: Bimonthly OGI (1st: May 1 to June 30, 2nd: July 1 to August 31, 3rd: September 1 to October 31, 4th: November 1 to December 31, 5th: January 1 to February 28/29, 6th: March 1 to April 30) and Annual Method 21 (May 1 to April 30)

Non-Liquefaction Facility Surveys: Quarterly (typically completed in March, June, September, and December)

(ii) A list of each fugitive emission and repair;

See Attachment B.

(iii) Any deviations from the initial methane monitoring plan or a statement that there were no deviations from the initial methane monitoring plan;

There were no deviations from the CPL monitoring plans referenced under COMAR 26.11.41.03C. CPL is not required to submit an Initial Methane Monitoring Plan under COMAR 26.11.41.03A(5).

(iv) Number and type of components for which fugitive emissions were detected;

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	3	14	0	0	14	0	0

(v) Number and type of difficult-to-monitor fugitive emission components monitored;

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	0	0	0	0	0	0	0

(vi) Instrument reading of each fugitive emissions component that requires repair when EPA Method 21 (40 CFR 60, Appendix A-7) is used for monitoring;

See Attachment B (column "Initial PPM Reading").

(vii) Number and type of fugitive emissions components that were not repaired;

Note 1: Emissions found during the reporting period may be repaired in the next reporting period based on the detection date and required repair duration and may not be captured in this report. A leak reported below may have been repaired by the time the report is submitted and reviewed.

Note 2: The table below does not include those leaks placed on DOR. Leaks placed on DOR are identified in (viii).

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	0	0	0	0	0	0	0

(viii) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair;

See Attachment B (column "DOR Reason") and table below.

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	0	8	0	0	3	0	0

(ix) The date of successful repair of the fugitive emissions component; and

See Attachment B (column "Repair Status" and "Repair Status Date").

(x) Instrumentation used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding;

See Attachment B (column "Repair Confirmation Method").

RESULTS SUMMARY

Fugitive Emissions	
VOC (ton)	CO2e (tons)
0.37	27.7

No known deviations occurred during the reporting period.

Attachments

- A - Export LDAR Emissions Report
- B - Export/Import Leak Detail Report

ATTACHMENT A

Export LDAR Emissions Report

TARGET ONLINE™ - Single Month Emissions Report for Cove Point

for the month of: Apr, 2026

as of: Wed, 06 May 2026 14:45:22 MDT

Day	Total VOC (lbs)	Butane (lbs)	Pentane (lbs)	Hexane (lbs)	Heptane (lbs)	Octane (lbs)	Benzene (lbs)	DGA (lbs)	H ₂ S (lbs)	Mercury (lbs)	Propanol (lbs)	Total GHG in CO ₂ eq. (lbs)
1	24.41	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1637.06
2	24.40	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1633.81
3	24.40	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1633.81
4	24.40	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1633.81
5	24.40	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1633.81
6	26.70	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1723.06
7	28.18	1.32	0.54	0.42	0.00	0.00	0.02	0.27	0.00	0.00	0.03	5549.21
8	24.54	0.69	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1772.07
9	24.54	0.69	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1771.07
10	24.48	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
11	24.48	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
12	24.48	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
13	24.48	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
14	24.49	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.31
15	24.75	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1737.56
16	25.06	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1737.31
17	25.05	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1737.06
18	25.05	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1737.06
19	25.05	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1737.06
20	24.79	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1736.06
21	24.79	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1734.81
22	24.79	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1738.06
23	24.79	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.81
24	24.79	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.81
25	24.79	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
26	24.79	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
27	25.13	0.73	0.53	0.50	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
28	24.76	0.69	0.42	0.36	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1730.06
29	24.73	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1730.06
30	24.73	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1730.06
April Subtotal	746.22	21.06	12.56	10.73	0.00	0.00	0.31	8.10	0.00	0.00	0.90	55425.22

Day	TOC (lbs)	VOC (lbs)	CH4 (lbs)	CO2 (lbs)	Butane (lbs)	Pentane (lbs)	Hexane (lbs)	Heptane (lbs)	Octane (lbs)	Benzene (lbs)	DGA (lbs)	H2S (lbs)	Mercury (lbs)	Propanol (lbs)	Total GHG in CO2 eq. (lbs)
4/1/2026	100.19	24.41	65.46	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1637.06
4/2/2026	100.04	24.40	65.33	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1633.81
4/3/2026	100.04	24.40	65.33	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1633.81
4/4/2026	100.04	24.40	65.33	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1633.81
4/5/2026	100.04	24.40	65.33	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1633.81
4/6/2026	111.93	26.70	68.90	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1723.06
4/7/2026	272.00	28.18	221.94	0.71	1.32	0.54	0.42	0.00	0.00	0.02	0.27	0.00	0.00	0.03	5549.21
4/8/2026	106.13	24.54	70.86	0.57	0.69	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1772.07
4/9/2026	106.09	24.54	70.82	0.57	0.69	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1771.07
4/10/2026	104.46	24.48	69.38	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
4/11/2026	104.46	24.48	69.38	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
4/12/2026	104.46	24.48	69.38	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
4/13/2026	104.46	24.48	69.38	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
4/14/2026	104.48	24.49	69.39	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.31
4/15/2026	104.98	24.75	69.48	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1737.56
4/16/2026	105.28	25.06	69.47	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1737.31
4/17/2026	105.22	25.05	69.46	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1737.06
4/18/2026	105.22	25.05	69.46	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1737.06
4/19/2026	105.22	25.05	69.46	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1737.06
4/20/2026	104.88	24.79	69.42	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1736.06
4/21/2026	104.82	24.79	69.37	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1734.81
4/22/2026	104.96	24.79	69.50	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1738.06
4/23/2026	104.86	24.79	69.41	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.81
4/24/2026	104.86	24.79	69.41	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.81
4/25/2026	104.83	24.79	69.38	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
4/26/2026	104.83	24.79	69.38	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
4/27/2026	105.17	25.13	69.38	0.56	0.73	0.53	0.50	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1735.06
4/28/2026	104.58	24.76	69.18	0.56	0.69	0.42	0.36	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1730.06
4/29/2026	104.55	24.73	69.18	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1730.06
4/30/2026	104.55	24.73	69.18	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1730.06
April Subtotal	3297.63	746.22	2216.33	16.97	21.06	12.56	10.73	0.00	0.00	0.31	8.10	0.00	0.00	0.90	55425.22

ATTACHMENT B

Export/Import Leak Detail Report

Emission ID #	Detection Date	Component	Detection Method / Quantification Method	Initial PPM Reading	Repair Status	Repair Status Date	DOR Start Date	DOR End Date	DOR Reason	Final PPM Reading	Repair Confirmation Method
34110868	04/01/2026	Connector	Method 21/ Method 21	1,256	Repaired	04/02/2026	-	-	-	-	Method 21 Soap Bubble
34110869	04/01/2026	Valve	Method 21/ Method 21	13,000	Repaired	04/02/2026	-	-	-	-	Method 21 Soap Bubble
34110870	04/02/2026	Flange	Audio Visual Olfactory/ Other	-	Delay of Repair	04/17/2026	04/17/2026	05/31/2026	Awaiting Parts	-	-
34610358	04/06/2026	Connector	Method 21/ Method 21	1,881	Repaired	04/09/2026	-	-	-	-	Method 21 Soap Bubble
34610359	04/06/2026	Flange	Method 21/ Method 21	2,205	Repaired	04/07/2026	-	-	-	-	Method 21 Soap Bubble
34610360	04/06/2026	Flange	Method 21/ Method 21	40,000	Repaired	04/07/2026	-	-	-	-	Method 21 Soap Bubble
34610361	04/06/2026	Flange	Method 21/ Method 21	4,072	Repaired	04/07/2026	-	-	-	-	Method 21 Soap Bubble
34610362	04/06/2026	Flange	Method 21/ Method 21	3,571	Repaired	04/07/2026	-	-	-	-	Method 21 Soap Bubble
34610363	04/06/2026	Flange	Method 21/ Method 21	3,042	Repaired	04/07/2026	-	-	-	-	Method 21 Soap Bubble
34610364	04/07/2026	Flange	Method 21/ Method 21	1,205	Repaired	04/10/2026	-	-	-	-	Method 21 Soap Bubble
34110871	04/07/2026	Flange	Optical Gas Imaging/ Method 21	40,000	Delay of Repair	04/13/2026	04/13/2026	10/31/2026	Shutdown Required	-	-
34110872	04/07/2026	Connector	Optical Gas Imaging/ Method 21	40,000	Repaired	04/10/2026	-	-	-	-	Method 21 Soap Bubble
34610365	04/15/2026	Flange	Method 21/ Method 21	1,479	Delay of Repair	04/27/2026	04/27/2026	10/31/2026	Shutdown Required	-	-
34610366	04/15/2026	Connector	Method 21/ Method 21	1,615	Delay of Repair	04/27/2026	04/27/2026	10/31/2026	Shutdown Required	-	-
34610367	04/15/2026	Connector	Method 21/ Method 21	3,013	Delay of Repair	04/27/2026	04/27/2026	10/31/2026	Shutdown Required	-	-
34610368	04/15/2026	Connector	Method 21/ Method 21	20,000	Delay of Repair	04/27/2026	04/27/2026	10/31/2026	Shutdown Required	-	-
34610369	04/15/2026	Connector	Method 21/ Method 21	4,202	Delay of Repair	04/27/2026	04/27/2026	10/31/2026	Shutdown Required	-	-
34610370	04/15/2026	Valve	Method 21/ Method 21	4,531	Repaired	04/17/2026	-	-	-	-	Method 21 Soap Bubble
34610371	04/16/2026	Connector	Method 21/ Method 21	4,016	Delay of Repair	04/27/2026	04/27/2026	10/31/2026	Shutdown Required	-	-
34610372	04/16/2026	Connector	Method 21/ Method 21	2,494	Delay of Repair	04/27/2026	04/27/2026	10/31/2026	Shutdown Required	-	-
34610373	04/16/2026	Connector	Method 21/ Method 21	1,857	Delay of Repair	04/27/2026	04/27/2026	10/31/2026	Shutdown Required	-	-
34610374	04/16/2026	Flange	Method 21/ Method 21	3,128	Repaired	04/20/2026	-	-	-	-	Method 21 Soap Bubble
34610375	04/16/2026	Flange	Method 21/ Method 21	3,586	Repaired	04/20/2026	-	-	-	-	Method 21 Soap Bubble
34610376	04/16/2026	Flange	Method 21/ Method 21	2,098	Repaired	04/20/2026	-	-	-	-	Method 21 Soap Bubble
34610377	04/16/2026	Connector	Method 21/ Method 21	10,496	Delay of Repair	04/27/2026	04/27/2026	10/31/2026	Shutdown Required	-	-
34610378	04/16/2026	Flange	Method 21/ Method 21	1,702	Repaired	04/20/2026	-	-	-	-	Method 21 Soap Bubble
34610379	04/16/2026	Flange	Method 21/ Method 21	5,378	Repaired	04/20/2026	-	-	-	-	Method 21 Soap Bubble
34110873	04/20/2026	Connector	Optical Gas Imaging/ Method 21	40,000	Repaired	04/21/2026	-	-	-	-	Method 21 Soap Bubble
34110874	04/22/2026	Connector	Method 21/ Method 21	3,500	Repaired	04/25/2026	-	-	-	-	Method 21 Soap Bubble
34110875	04/23/2026	Valve	Audio Visual Olfactory/ Other	-	Repaired	04/23/2026	-	-	-	-	Method 21 Soap Bubble
34110876	04/27/2026	Connector	Method 21/ Method 21	3,650	Repaired	04/29/2026	-	-	-	-	Method 21 Soap Bubble



Cove Point LNG, LP
2100 Cove Point Road
Lusby, MD 20657

Date: June 10, 2026

To: Joe Pietro, BHE GT&S Senior Environmental Specialist (Air)
Jeff Zehner, BHE GT&S Environmental Manager (Air)
Justin Daniel, Cove Point LNG LDAR Technician
Aidan Lasky, Montrose Environmental LDAR Project Coordinator

From: Matt Ballantine, Cove Point Environmental Compliance Manager

Subject: Cove Point LNG, LP May 2026 Monthly Leak Detection and Repair Report

INTRODUCTION

Estimated fugitive emissions for the above referenced reporting period at the Cove Point LNG, LP liquefaction facility in Lusby, MD (the Facility) have been calculated based on Montrose Environmental (Montrose) leak survey data. Montrose has developed software to estimate fugitive emissions using a database of the components and results of the Leak Detection and Repair (LDAR) monitoring. The purpose of this memorandum is to document the basis for the emissions estimates and to present the results thereof.

GENERAL ASSUMPTIONS

The following notes provide the methodologies and assumptions used in estimating emissions from leaks at the Facility.

- As required by the Certificate of Public Convenience and Necessity (CPCN), and discussed in the LDAR Monitoring Plan, the calculation methodologies used to estimate emissions from leaks under all scenarios are based on the EPA's *Protocol for Equipment Leak Emissions Estimates* (EPA's *Protocol*) and TCEQ 28 LAER.

Monthly Summary Tables for Emission Reporting	
Total # of Components	119,459
No. of deviations from the LDAR Monitoring Plan	0
No. of Components surveyed by OGI (estimated) (liquefaction only)	32,855
No. of Components surveyed by M21 (liquefaction only)	10,698
No. of Leaks Identified	33
Percent of Surveyed Components Leaking	0.08
Average No. of Days to Repair	1.6
No. of Repairs Completed within 1 Day / Percent of Leaks Repaired within 1 Day	9 / 27.3

Monthly Summary Tables for Emission Reporting	
No. of Components Placed on Delay of Repair List (based on the leaks detected during the reporting period)	11
No. of Components Removed from Delay of Repair List (based on repairs made during the reporting period only)	0

- The monthly emissions are provided in Attachment A. Information pertaining to how the emissions are calculated is presented below.
- Throughout the course of routine monitoring, new components may occasionally be found that were insulated before the component was identified and added to the LDAR database. These components are mostly flanges and connectors that are not easily identifiable in design documents and in the field. Since they are insulated, they are exempt from monitoring. However, upon discovery, they are documented in the LDAR monitoring component database, and they become incorporated into the emissions calculations on a monthly basis. Similar to how leaking components are handled, all past emissions for the 12-month rolling average are incorporated into the emissions for the month in which the component is discovered. This includes all non-leak emissions and leak emissions using the appropriate leak factors and control efficiencies described above. Details of any newly discovered components are provided below. Also provided below is a table providing the monthly emissions from components that have been added to the database for the past 12 months. It is important to note that following discovery and date of addition to the database, the emissions are included in the facility-wide emission report (Attachment A). However, emissions from prior to the date of addition to the database are not included in the emission report (Attachment A) but are added to the Results Summary section of this report and shown in the New Components for Reporting Period table below.

Components Discovered Under Insulation for Reporting Period

Component ID	Date Added to Database	VOC Emissions to Add for Reporting Period (lbs)	CO2e Emissions to Add for Reporting Period (lbs)
None			

Monthly Emissions for Components Discovered Under Insulation

Month / Year	VOC Emissions (lbs)	CO2e Emissions (lbs)
January 2026	0.0	0.0
February 2026	0.0	0.0
March 2026	0.0	0.0
April 2026	0.0	0.0
May 2026	0.0	0.0

- For the components monitored by Method 21 (M21):
 - Correlation equations are used for components that are monitored using M21 (1 ppmv to 40,000 ppmv).
 - Zero-leak emission factors are used for components with a screening value of 0 ppmv (M21) when the minimum detection limit (MDL) of the instrument is less than 1 ppmv or when a repair has been confirmed to be non-leaking.
 - Pegged emission factors are used for components leaking at or above 40,000 ppmv, as detected by the M21 instrument. Emission factors used are for 100,000 ppmv pegged value.
- For the remaining components, emissions were estimated using the Average O&G EFs¹ with applicable control efficiency, including components monitored using OGIC only.
- Average O&G EFs with no control efficiency are applied for unsafe components and any Delay of Repair (DOR) components that are not measured with M21.
- The stream composition information from the heat and material balances (H&MBs) was used to estimate the fraction of total emissions (estimated using EPA's *Protocol*) that are considered VOCs and greenhouse gases (GHGs). VOCs were estimated based on the sum of the mass fraction of hydrocarbon compounds higher than C₂, i.e., C₃+ (propane, butane, pentane, etc.). GHG emissions were estimated in carbon dioxide equivalents based on the mass fraction of carbon dioxide (CO₂), the mass fraction of methane (CH₄), and the methane 100-year global warming potential (GWP) of 25. Stream composition data is reviewed annually to determine if any updates are necessary. In February 2026, seven of the most prominent LDAR-applicable stream compositions were reviewed. These streams were selected because there are online analyzers, they are widespread, and they are controlling streams for other vapor and liquid streams. The average stream composition from these streams in 2025 was compiled and compared to the stream composition used in 2025. The data show that there were no significant changes when comparing online analyzers and the

¹ [EPA-453/R-95-017]. The emission factors from Table 2-4 of the EPA Guidance are also referred to as the Average Oil and Gas Emission Factors.

stream composition being used for emission calculations. The next review will occur in early-2027.

- For both vapor and light liquid streams on the H&MB, the stream vapor pressure was calculated using the vapor pressure and mole fraction of each chemical present in the stream, as listed in the H&MB, pure chemical at 68°F (20°C). Streams with a vapor pressure less than 0.002 psia (@ 68°F) are exempt from emission calculations.

Some components may be exempt from being included in the emission totals due to stream composition. For example, several of the amine and glycol streams have vapor pressures less than 0.002 psia (@ 68°F), so, while listed as a component in the component database, they are not included in the emission calculations. Updates to the stream composition database will be reflected in the emission calculations.

- A leak is assumed to commence at the midpoint between the previous monitoring period and the current monitoring period (when identified) and last until it is repaired. Under the alternative work practice (AWP) published in 40 CFR §60.18, monitoring is performed bi-monthly. Leaks must be repaired within 15 days of identification. May 1, 2018 was used as the starting date for the LDAR monitoring program (leak identification).
- The component count as of the end of the reporting period is shown in the Monthly Summary Table for Emission Reporting.

When an update to the component database results in changes to a past month's component count, the difference in the past month's emissions will be added to the reporting period to which the component was added to the database and an explanation will be provided in that month's report.

The table below shows the component count changes in 2026.

Month	Number of Components	Notes
January 2026	118,815	Field validation resulted in removing the recently applied exemption status from 190 components.
February 2026	118,740	Field validation resulted in exempting 75 components for reasons such as being small diameter tubing.
March 2026	119,188	Field validation resulted in removing the recently applied exemption status from 448 components.
April 2026	119,444	Field validation resulted in removing the recently applied exemption status from 256 components.
May 2026	119,459	Field validation resulted in removing an exemption status from 15 components.

- The Facility uses an AWP-based LDAR program, i.e., bi-monthly OGIC monitoring and annual Method 21 monitoring.

Additional information is available in Section 5.0 and Appendix C of the LDAR Monitoring Plan.

- Mandatory, facility-wide reporting data for the Maryland Methane Reduction Program is provided below.

(i) Date of the survey;

May 1, 2026 to May 31, 2026 – Began the first of 6 bimonthly OGIC events for the 2026-2027 monitoring year and began the annual 2026-2027 Method 21 survey for the Liquefaction Facility. The second quarter 2026 Non-Liquefaction Facility OGI survey is planned for June 2026.

Liquefaction Facility Surveys: Bimonthly OGI (1st: May 1 to June 30, 2nd: July 1 to August 31, 3rd: September 1 to October 31, 4th: November 1 to December 31, 5th: January 1 to February 28/29, 6th: March 1 to April 30) and Annual Method 21 (May 1 to April 30)

Non-Liquefaction Facility Surveys: Quarterly (typically completed in March, June, September, and December)

(ii) A list of each fugitive emission and repair;

See Attachment B.

(iii) Any deviations from the initial methane monitoring plan or a statement that there were no deviations from the initial methane monitoring plan;

There were no deviations from the CPL monitoring plans referenced under COMAR 26.11.41.03C. CPL is not required to submit an Initial Methane Monitoring Plan under COMAR 26.11.41.03A(5).

(iv) Number and type of components for which fugitive emissions were detected;

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	7	16	1	0	8	1	0

(v) Number and type of difficult-to-monitor fugitive emission components monitored;

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	0	0	0	0	0	0	0

(vi) Instrument reading of each fugitive emissions component that requires repair when EPA Method 21 (40 CFR 60, Appendix A-7) is used for monitoring;

See Attachment B (column "Initial PPM Reading").

(vii) Number and type of fugitive emissions components that were not repaired;

Note 1: Emissions found during the reporting period may be repaired in the next reporting period based on the detection date and required repair duration and may not be captured in this report. A leak reported below may have been repaired by the time the report is submitted and reviewed.

Note 2: The table below does not include those leaks placed on DOR. Leaks placed on DOR are identified in (viii).

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	0	0	0	0	0	0	0

(viii) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair;

See Attachment B (column "DOR Reason") and table below.

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	3	1	0	0	7	0	0

(ix) The date of successful repair of the fugitive emissions component; and

See Attachment B (column "Repair Status" and "Repair Status Date").

(x) Instrumentation used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding;

See Attachment B (column "Repair Confirmation Method").

RESULTS SUMMARY

Fugitive Emissions	
VOC (ton)	CO2e (tons)
0.43	24.65

No known deviations occurred during the reporting period.

Attachments

- A - Export LDAR Emissions Report
- B - Export/Import Leak Detail Report

ATTACHMENT A

Export LDAR Emissions Report

Day	TOC (lbs)	VOC (lbs)	CH4 (lbs)	CO2 (lbs)	Butane (lbs)	Pentane (lbs)	Hexane (lbs)	Heptane (lbs)	Octane (lbs)	Benzene (lbs)	DGA (lbs)	H2S (lbs)	Mercury (lbs)	Propanol (lbs)	Total GHG in CO2 eq. (lbs)
5/1/2026	104.56	24.73	69.18	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1730.06
5/2/2026	104.56	24.73	69.18	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1730.06
5/3/2026	104.56	24.73	69.18	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1730.06
5/4/2026	102.43	24.69	67.23	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1681.31
5/5/2026	100.98	24.66	65.90	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1648.06
5/6/2026	99.68	24.65	64.71	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1618.31
5/7/2026	99.68	24.65	64.71	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1618.31
5/8/2026	96.26	24.57	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/9/2026	96.26	24.57	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/10/2026	96.26	24.57	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/11/2026	96.26	24.57	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/12/2026	96.26	24.57	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/13/2026	124.05	25.46	86.55	0.56	0.86	0.47	0.40	0.00	0.00	0.02	0.27	0.00	0.00	0.03	2164.31
5/14/2026	97.86	24.62	63.02	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1576.06
5/15/2026	97.86	24.62	63.02	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1576.06
5/16/2026	96.26	24.57	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/17/2026	96.26	24.57	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/18/2026	96.42	24.58	61.73	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1543.81
5/19/2026	96.27	24.57	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/20/2026	97.99	25.85	61.65	0.56	1.04	0.58	0.49	0.00	0.00	0.03	0.27	0.00	0.00	0.03	1541.81
5/21/2026	97.99	25.85	61.65	0.56	1.04	0.58	0.49	0.00	0.00	0.03	0.27	0.00	0.00	0.03	1541.81
5/22/2026	96.40	24.71	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/23/2026	96.40	24.71	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/24/2026	96.40	24.71	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/25/2026	96.40	24.71	61.59	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1540.31
5/26/2026	178.21	106.20	61.88	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1547.56
5/27/2026	102.58	30.56	61.90	0.57	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1548.07
5/28/2026	94.96	24.71	60.25	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1506.81
5/29/2026	94.96	24.71	60.25	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1506.81
5/30/2026	94.96	24.71	60.25	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1506.81
5/31/2026	94.96	24.71	60.25	0.56	0.66	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1506.81
May Subtotal	3144.94	854.82	1971.57	17.37	21.56	13.11	11.18	0.00	0.00	0.36	8.37	0.00	0.00	0.93	49306.62

ATTACHMENT B

Export/Import Leak Detail Report

Emission ID #	Detection Date	Component	Detection Method / Quantification Method	Initial PPM Reading	Repair Status	Repair Status Date	DOR Start Date	DOR End Date	DOR Reason	Final PPM Reading	Repair Confirmation Method
34610380	05/04/2026	Connector	Method 21/ Method 21	8,886	Repaired	05/06/2026	-	-	-	-	Method 21 Soap Bubble
34610381	05/04/2026	Valve	Method 21/ Method 21	1,022	Repaired	05/06/2026	-	-	-	-	Method 21 Soap Bubble
34610382	05/04/2026	Connector	Method 21/ Method 21	1,243	Repaired	05/06/2026	-	-	-	-	Method 21 Soap Bubble
34610383	05/04/2026	Flange	Method 21/ Method 21	3,169	Delay of Repair	05/15/2026	05/15/2026	10/31/2026	Shutdown Required	-	-
34610385	05/04/2026	Flange	Method 21/ Method 21	1,627	Delay of Repair	05/15/2026	05/15/2026	10/31/2026	Shutdown Required	-	-
34610386	05/04/2026	Flange	Method 21/ Method 21	1,823	Delay of Repair	05/15/2026	05/15/2026	10/31/2026	Shutdown Required	-	-
34610387	05/04/2026	Flange	Method 21/ Method 21	11,862	Delay of Repair	05/15/2026	05/15/2026	10/31/2026	Shutdown Required	-	-
34610388	05/04/2026	Flange	Method 21/ Method 21	10,367	Delay of Repair	05/15/2026	05/15/2026	10/31/2026	Shutdown Required	-	-
34610389	05/04/2026	Connector	Method 21/ Method 21	22,609	Repaired	05/06/2026	-	-	-	-	Method 21 Soap Bubble
34110877	05/04/2026	Valve	Audio Visual Olfactory/ Other	-	Repaired	05/04/2026	-	-	-	-	Method 21 Soap Bubble
34610390	05/05/2026	Connector	Method 21/ Method 21	6,141	Repaired	05/08/2026	-	-	-	-	Method 21 Soap Bubble
34610391	05/05/2026	Connector	Method 21/ Method 21	6,066	Repaired	05/08/2026	-	-	-	-	Method 21 Soap Bubble
34610392	05/06/2026	Connector	Method 21/ Method 21	40,000	Repaired	05/08/2026	-	-	-	-	Method 21 Soap Bubble
34610393	05/06/2026	Connector	Method 21/ Method 21	15,100	Repaired	05/08/2026	-	-	-	-	Method 21 Soap Bubble
34610394	05/06/2026	Connector	Method 21/ Method 21	40,000	Repaired	05/08/2026	-	-	-	-	Method 21 Soap Bubble
34610395	05/06/2026	Valve	Method 21/ Method 21	6,237	Delay of Repair	05/15/2026	05/15/2026	05/15/2026	Shutdown Required	-	-
34110878	05/06/2026	Connector	Audio Visual Olfactory/ Other	-	Repaired	05/06/2026	-	-	-	-	Method 21 Soap Bubble
34110879	05/13/2026	Connector	Optical Gas Imaging/ Method 21	40,000	Repaired	05/16/2026	-	-	-	-	Method 21 Soap Bubble
34610396	05/13/2026	Connector	Method 21/ Method 21	781	Repaired	05/16/2026	-	-	-	-	Method 21 Soap Bubble
34610397	05/18/2026	Valve	Method 21/ Method 21	4,531	Repaired	05/19/2026	-	-	-	-	Method 21 Soap Bubble
34610398	05/20/2026	Valve	Method 21/ Method 21	4,160	Delay of Repair	06/04/2026	06/04/2026	10/31/2026	Shutdown Required	-	-
34610399	05/20/2026	Flange	Method 21/ Method 21	3,129	Delay of Repair	06/04/2026	06/04/2026	10/31/2026	Shutdown Required	-	-
34610400	05/20/2026	Connector	Method 21/ Method 21	40,000	Repaired	05/22/2026	-	-	-	-	Method 21 Soap Bubble
34610401	05/26/2026	Valve	Method 21/ Method 21	7,301	Delay of Repair	06/04/2026	06/04/2026	10/31/2026	Shutdown Required	-	-
34110880	05/26/2026	Pressure Relief Device	Optical Gas Imaging/ Method 21	40,000	Repaired	05/28/2026	-	-	-	-	Method 21 Soap Bubble
34110882	05/27/2026	Flange	Audio Visual Olfactory/ Other	-	Repaired	05/27/2026	-	-	-	-	Method 21 Soap Bubble
34610402	05/27/2026	Valve	Method 21/ Method 21	3,890	Repaired	05/28/2026	-	-	-	-	Method 21 Soap Bubble
34610403	05/27/2026	Connector	Method 21/ Method 21	30,594	Repaired	05/28/2026	-	-	-	-	OGI
34610404	05/27/2026	Connector	Method 21/ Method 21	40,000	Repaired	05/28/2026	-	-	-	-	Method 21 Soap Bubble
34610405	05/27/2026	Connector	Method 21/ Method 21	2,539	Repaired	05/28/2026	-	-	-	-	Method 21 Soap Bubble
34610406	05/27/2026	Flange	Method 21/ Method 21	937	Delay of Repair	06/04/2026	06/04/2026	10/31/2026	Shutdown Required	-	-
34110881	05/27/2026	Pump	Audio Visual Olfactory/ Other	-	Repaired	05/27/2026	-	-	-	-	Method 21 Soap Bubble
34610407	05/28/2026	Connector	Method 21/ Method 21	2,081	Delay of Repair	06/04/2026	06/04/2026	10/31/2026	Shutdown Required	-	-



Cove Point LNG, LP
2100 Cove Point Road
Lusby, MD 20657

Date: July 13, 2026

To: Joe Pietro, BHE GT&S Senior Environmental Specialist (Air)
Jeff Zehner, BHE GT&S Environmental Manager (Air)
Justin Daniel, Cove Point LNG LDAR Technician
Aidan Lasky, Montrose Environmental LDAR Project Coordinator

From: Matt Ballantine, Cove Point Environmental Compliance Manager

Subject: Cove Point LNG, LP June 2026 Monthly Leak Detection and Repair Report

INTRODUCTION

Estimated fugitive emissions for the above referenced reporting period at the Cove Point LNG, LP liquefaction facility in Lusby, MD (the Facility) have been calculated based on Montrose Environmental (Montrose) leak survey data. Montrose has developed software to estimate fugitive emissions using a database of the components and results of the Leak Detection and Repair (LDAR) monitoring. The purpose of this memorandum is to document the basis for the emissions estimates and to present the results thereof.

GENERAL ASSUMPTIONS

The following notes provide the methodologies and assumptions used in estimating emissions from leaks at the Facility.

- As required by the Certificate of Public Convenience and Necessity (CPCN), and discussed in the LDAR Monitoring Plan, the calculation methodologies used to estimate emissions from leaks under all scenarios are based on the EPA's *Protocol for Equipment Leak Emissions Estimates* (EPA's *Protocol*) and TCEQ 28 LAER.

Monthly Summary Tables for Emission Reporting	
Total # of Components	119,459
No. of deviations from the LDAR Monitoring Plan	0
No. of Components surveyed by OGI (estimated) (liquefaction only)	120,405
No. of Components surveyed by M21 (liquefaction only)	8,412
No. of Leaks Identified	37
Percent of Surveyed Components Leaking	0.03
Average No. of Days to Repair	1.7
No. of Repairs Completed within 1 Day / Percent of Leaks Repaired within 1 Day	15 / 40.5

Monthly Summary Tables for Emission Reporting	
No. of Components Placed on Delay of Repair List (based on the leaks detected during the reporting period)	12
No. of Components Removed from Delay of Repair List (based on repairs made during the reporting period only)	0

- The monthly emissions are provided in Attachment A. Information pertaining to how the emissions are calculated is presented below.
- Throughout the course of routine monitoring, new components may occasionally be found that were insulated before the component was identified and added to the LDAR database. These components are mostly flanges and connectors that are not easily identifiable in design documents and in the field. Since they are insulated, they are exempt from monitoring. However, upon discovery, they are documented in the LDAR monitoring component database, and they become incorporated into the emissions calculations on a monthly basis. Similar to how leaking components are handled, all past emissions for the 12-month rolling average are incorporated into the emissions for the month in which the component is discovered. This includes all non-leak emissions and leak emissions using the appropriate leak factors and control efficiencies described above. Details of any newly discovered components are provided below. Also provided below is a table providing the monthly emissions from components that have been added to the database for the past 12 months. It is important to note that following discovery and date of addition to the database, the emissions are included in the facility-wide emission report (Attachment A). However, emissions from prior to the date of addition to the database are not included in the emission report (Attachment A) but are added to the Results Summary section of this report and shown in the New Components for Reporting Period table below.

Components Discovered Under Insulation for Reporting Period

Component ID	Date Added to Database	VOC Emissions to Add for Reporting Period (lbs)	CO2e Emissions to Add for Reporting Period (lbs)
None			

Monthly Emissions for Components Discovered Under Insulation

Month / Year	VOC Emissions (lbs)	CO2e Emissions (lbs)
January 2026	0.0	0.0
February 2026	0.0	0.0
March 2026	0.0	0.0
April 2026	0.0	0.0
May 2026	0.0	0.0
June 2026	0.0	0.0

- For the components monitored by Method 21 (M21):
 - Correlation equations are used for components that are monitored using M21 (1 ppmv to 40,000 ppmv).
 - Zero-leak emission factors are used for components with a screening value of 0 ppmv (M21) when the minimum detection limit (MDL) of the instrument is less than 1 ppmv or when a repair has been confirmed to be non-leaking.
 - Pegged emission factors are used for components leaking at or above 40,000 ppmv, as detected by the M21 instrument. Emission factors used are for 100,000 ppmv pegged value.
- For the remaining components, emissions were estimated using the Average O&G EFs¹ with applicable control efficiency, including components monitored using OGIC only.
- Average O&G EFs with no control efficiency are applied for unsafe components and any Delay of Repair (DOR) components that are not measured with M21.
- The stream composition information from the heat and material balances (H&MBs) was used to estimate the fraction of total emissions (estimated using EPA's *Protocol*) that are considered VOCs and greenhouse gases (GHGs). VOCs were estimated based on the sum of the mass fraction of hydrocarbon compounds higher than C2, i.e., C3+ (propane, butane, pentane, etc.). GHG emissions were estimated in carbon dioxide equivalents based on the mass fraction of carbon dioxide (CO₂), the mass fraction of methane (CH₄), and the methane 100-year global warming potential (GWP) of 25. Stream composition data is reviewed annually to determine if any updates are necessary. In February 2026, seven of the most prominent LDAR-applicable stream compositions were reviewed. These streams were selected because there are online analyzers, they are widespread, and they are controlling streams for other vapor and liquid streams. The average stream composition from these streams in 2025 was compiled and compared to the stream composition used in 2025. The data show that there were no significant changes when comparing online analyzers and the

¹ [EPA-453/R-95-017]. The emission factors from Table 2-4 of the EPA Guidance are also referred to as the Average Oil and Gas Emission Factors.

stream composition being used for emission calculations. The next review will occur in early-2027.

- For both vapor and light liquid streams on the H&MB, the stream vapor pressure was calculated using the vapor pressure and mole fraction of each chemical present in the stream, as listed in the H&MB, pure chemical at 68°F (20°C). Streams with a vapor pressure less than 0.002 psia (@ 68°F) are exempt from emission calculations.

Some components may be exempt from being included in the emission totals due to stream composition. For example, several of the amine and glycol streams have vapor pressures less than 0.002 psia (@ 68°F), so, while listed as a component in the component database, they are not included in the emission calculations. Updates to the stream composition database will be reflected in the emission calculations.

- A leak is assumed to commence at the midpoint between the previous monitoring period and the current monitoring period (when identified) and last until it is repaired. Under the alternative work practice (AWP) published in 40 CFR §60.18, monitoring is performed bi-monthly. Leaks must be repaired within 15 days of identification. May 1, 2018 was used as the starting date for the LDAR monitoring program (leak identification).
- The component count as of the end of the reporting period is shown in the Monthly Summary Table for Emission Reporting.

When an update to the component database results in changes to a past month's component count, the difference in the past month's emissions will be added to the reporting period to which the component was added to the database and an explanation will be provided in that month's report.

The table below shows the component count changes in 2026.

Month	Number of Components	Notes
January 2026	118,815	Field validation resulted in removing the recently applied exemption status from 190 components.
February 2026	118,740	Field validation resulted in exempting 75 components for reasons such as being small diameter tubing.
March 2026	119,188	Field validation resulted in removing the recently applied exemption status from 448 components.
April 2026	119,444	Field validation resulted in removing the recently applied exemption status from 256 components.
May 2026	119,459	Field validation resulted in removing an exemption status from 15 components.
June 2026	119,459	No changes.

- The Facility uses an AWP-based LDAR program, i.e., bi-monthly OGIC monitoring and annual Method 21 monitoring.

Additional information is available in Section 5.0 and Appendix C of the LDAR Monitoring Plan.

- Mandatory, facility-wide reporting data for the Maryland Methane Reduction Program is provided below.

(i) Date of the survey;

June 1, 2026 to June 30, 2026 – Completed the first of 6 bimonthly OGIC events for the 2026-2027 monitoring year and continued the annual 2026-2027 Method 21 survey for the Liquefaction Facility. Completed the second quarter 2026 Non-Liquefaction Facility OGI survey.

Liquefaction Facility Surveys: Bimonthly OGI (1st: May 1 to June 30, 2nd: July 1 to August 31, 3rd: September 1 to October 31, 4th: November 1 to December 31, 5th: January 1 to February 28/29, 6th: March 1 to April 30) and Annual Method 21 (May 1 to April 30)

Non-Liquefaction Facility Surveys: Quarterly (typically completed in March, June, September, and December)

(ii) A list of each fugitive emission and repair;

See Attachment B.

- (iii) Any deviations from the initial methane monitoring plan or a statement that there were no deviations from the initial methane monitoring plan;

There were no deviations from the CPL monitoring plans referenced under COMAR 26.11.41.03C. CPL is not required to submit an Initial Methane Monitoring Plan under COMAR 26.11.41.03A(5).

- (iv) Number and type of components for which fugitive emissions were detected;

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	8	26	0	0	3	0	0

- (v) Number and type of difficult-to-monitor fugitive emission components monitored;

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	0	0	0	0	0	0	0

- (vi) Instrument reading of each fugitive emissions component that requires repair when EPA Method 21 (40 CFR 60, Appendix A-7) is used for monitoring;

See Attachment B (column "Initial PPM Reading").

- (vii) Number and type of fugitive emissions components that were not repaired;

Note 1: Emissions found during the reporting period may be repaired in the next reporting period based on the detection date and required repair duration and may not be captured in this report. A leak reported below may have been repaired by the time the report is submitted and reviewed.

Note 2: The table below does not include those leaks placed on DOR. Leaks placed on DOR are identified in (viii).

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	0	0	0	0	0	0	0

- (viii) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair;

See Attachment B (column "DOR Reason") and table below.

Component Type	Valve	Connector	Pump	Compressor	Flange	PSVs	Other
# of Components	3	8	0	0	1	0	0

- (ix) The date of successful repair of the fugitive emissions component; and

See Attachment B (column "Repair Status" and "Repair Status Date").

- (x) Instrumentation used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding;

See Attachment B (column "Repair Confirmation Method").

RESULTS SUMMARY

Fugitive Emissions	
VOC (ton)	CO2e (tons)
0.41	24.39

No known deviations occurred during the reporting period.

Attachments

- A - Export LDAR Emissions Report
- B - Export/Import Leak Detail Report

ATTACHMENT A

Export LDAR Emissions Report

Day	TOC (lbs)	VOC (lbs)	CH4 (lbs)	CO2 (lbs)	Butane (lbs)	Pentane (lbs)	Hexane (lbs)	Heptane (lbs)	Octane (lbs)	Benzene (lbs)	DGA (lbs)	H2S (lbs)	Mercury (lbs)	Propanol (lbs)	Total GHG in CO2 eq. (lbs)
6/1/2026	103.08	25.09	67.45	0.56	0.70	0.42	0.35	0.00	0.00	0.02	0.27	0.00	0.00	0.03	1686.81
6/2/2026	98.21	24.86	63.13	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1578.81
6/3/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1579.06
6/4/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1579.06
6/5/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1579.06
6/6/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1579.06
6/7/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1579.06
6/8/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.27	0.00	0.00	0.03	1579.06
6/9/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/10/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/11/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/12/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/13/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/14/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/15/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/16/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/17/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/18/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/19/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/20/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/21/2026	98.22	24.86	63.14	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1579.06
6/22/2026	328.16	78.97	111.26	0.56	0.68	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	2782.06
6/23/2026	105.73	26.61	64.78	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1620.06
6/24/2026	105.73	26.61	64.78	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1620.06
6/25/2026	98.33	24.86	63.23	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1581.31
6/26/2026	98.33	24.86	63.23	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1581.31
6/27/2026	98.33	24.86	63.23	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1581.31
6/28/2026	98.33	24.86	63.23	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1581.31
6/29/2026	104.06	30.60	63.23	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1581.31
6/30/2026	107.20	33.74	63.23	0.56	0.67	0.41	0.35	0.00	0.00	0.01	0.28	0.00	0.00	0.03	1581.31
June Subtotal	3211.67	818.26	1950.44	16.80	20.14	12.31	10.50	0.00	0.00	0.31	8.32	0.00	0.00	0.90	48777.80

ATTACHMENT B

Export/Import Leak Detail Report

Emission ID #	Detection Date	Component	Detection Method / Quantification Method	Initial PPM Reading	Repair Status	Repair Status Date	DOR Start Date	DOR End Date	DOR Reason	Final PPM Reading	Repair Confirmation Method
34610408	06/01/2026	Connector	Method 21/ Method 21	40,000	Delay of Repair	06/15/2026	06/15/2026	10/31/2026	Shutdown Required	-	-
34610409	06/01/2026	Flange	Method 21/ Method 21	3,275	Delay of Repair	06/15/2026	06/15/2026	10/31/2026	Shutdown Required	-	-
34110883	06/08/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/09/2026	-	-	-	-	Method 21 Soap Bubble
34110884	06/08/2026	Valve	Optical Gas Imaging/ Other	-	Repaired	06/09/2026	-	-	-	-	Method 21 Soap Bubble
34110885	06/08/2026	Valve	Optical Gas Imaging/ Other	-	Delay of Repair	06/23/2026	06/23/2026	10/31/2028	Shutdown Required	-	-
34110886	06/08/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/09/2026	-	-	-	-	Method 21 Soap Bubble
34110887	06/08/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/09/2026	-	-	-	-	Method 21 Soap Bubble
34110888	06/09/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/10/2026	-	-	-	-	Method 21 Soap Bubble
34110889	06/09/2026	Valve	Optical Gas Imaging/ Other	-	Repaired	06/12/2026	-	-	-	-	Method 21 Soap Bubble
34110890	06/09/2026	Valve	Optical Gas Imaging/ Other	-	Repaired	06/12/2026	-	-	-	-	Method 21 Soap Bubble
34110891	06/09/2026	Valve	Optical Gas Imaging/ Other	-	Repaired	06/12/2026	-	-	-	-	Method 21 Soap Bubble
34110892	06/09/2026	Connector	Optical Gas Imaging/ Other	-	Delay of Repair	06/23/2026	06/23/2026	01/31/2027	Shutdown Required	-	-
34110893	06/09/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/10/2026	-	-	-	-	Method 21 Soap Bubble
34110894	06/09/2026	Valve	Optical Gas Imaging/ Other	-	Repaired	06/12/2026	-	-	-	-	Method 21 Soap Bubble
34110895	06/09/2026	Connector	Optical Gas Imaging/ Other	-	Delay of Repair	06/23/2026	06/23/2026	01/31/2027	Shutdown Required	-	-
34110896	06/09/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/12/2026	-	-	-	-	Method 21 Soap Bubble
34110897	06/09/2026	Connector	Optical Gas Imaging/ Other	-	Delay of Repair	06/23/2026	06/23/2026	01/31/2027	Shutdown Required	-	-
34110898	06/09/2026	Connector	Optical Gas Imaging/ Other	-	Delay of Repair	06/23/2026	06/23/2026	01/31/2027	Shutdown Required	-	-
34110899	06/09/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/10/2026	-	-	-	-	Method 21 Soap Bubble
34110900	06/09/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/11/2026	-	-	-	-	Method 21 Soap Bubble
34110901	06/09/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/11/2026	-	-	-	-	Method 21 Soap Bubble
34110902	06/10/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/11/2026	-	-	-	-	Method 21 Soap Bubble
34110903	06/10/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/11/2026	-	-	-	-	Method 21 Soap Bubble
34110904	06/10/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/16/2026	-	-	-	-	Method 21 Soap Bubble
34110905	06/10/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/11/2026	-	-	-	-	Method 21 Soap Bubble
34110906	06/10/2026	Connector	Optical Gas Imaging/ Other	-	Repaired	06/10/2026	-	-	-	-	Bubble Test
34110907	06/10/2026	Valve	Optical Gas Imaging/ Other	-	Delay of Repair	06/23/2026	06/23/2026	10/31/2028	Shutdown Required	-	-
34110908	06/10/2026	Valve	Optical Gas Imaging/ Other	-	Delay of Repair	06/23/2026	06/23/2026	10/31/2028	Shutdown Required	-	-
34110909	06/11/2026	Connector	Optical Gas Imaging/ Other	-	Delay of Repair	06/23/2026	06/23/2026	08/31/2026	Waiting for Parts	-	-
34610410	06/22/2026	Connector	Method 21/ Method 21	6,055	Delay of Repair	07/06/2026	07/06/2026	10/31/2026	Shutdown Required	-	-
34610411	06/22/2026	Connector	Method 21/ Method 21	6,781	Delay of Repair	07/06/2026	07/06/2026	10/31/2026	Shutdown Required	-	-
34110910	06/22/2026	Connector	Optical Gas Imaging/ Method 21	40,000	Repaired	06/25/2026	-	-	-	-	Method 21 Soap Bubble
34110911	06/23/2026	Connector	Audio Visual Olfactory/ Other	-	Repaired	06/25/2026	-	-	-	-	Method 21 Soap Bubble
34610412	06/29/2026	Connector	Method 21/ Method 21	6,500	Repaired	06/30/2026	-	-	-	-	Method 21 Soap Bubble
34610413	06/29/2026	Connector	Method 21/ Method 21	40,000	Repaired	06/30/2026	-	-	-	-	Method 21 Soap Bubble
34610414	06/30/2026	Flange	Method 21/ Method 21	40,000	Repaired	06/30/2026	-	-	-	-	Method 21 Soap Bubble
34610415	06/30/2026	Flange	Method 21/ Method 21	40,000	Repaired	06/30/2026	-	-	-	-	Method 21 Soap Bubble