



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

Via Electronic Mail – rweldzius@lbenergy.com & jhersperger@lbenergy.com

Robert Weldzius and Jeff Hersperger
Senior Vice Presidents
Limetree Bay Refining, LLC & Limetree Bay Terminals, LLC
1 Estate Hope
Christiansted, VI 00820

Re: Information Request, Reference Number: CAA-02-2021-1461

Dear Messrs. Weldzius and Hersperger:

The Clean Air Act, 42 U.S.C. §§ 7401 *et seq.* (“CAA” or the “Act”), at Section 114, 42 U.S.C. § 7414, authorizes the U.S. Environmental Protection Agency (“EPA”) to require submittal of information to, among other things, assess compliance with the Act and regulations promulgated pursuant to the Act. This Information Request requires Limetree Bay Refining, LLC and Limetree Bay Terminal, LLC (collectively, “Limetree”) to submit information related to compliance with applicable federal and state CAA requirements.

Pursuant to Section 114 of the Act, this Information Request requires Limetree to submit all of the information requested by EPA in Enclosure 1. Failure to submit the requested information is a violation of Section 114 of the Act, and may result in an order to comply, an order for administrative penalties, or a civil action for penalties and injunction requiring compliance, pursuant to EPA enforcement authority provided at Section 113(a) of the Act. *See Enclosure 2.* In accordance with Section 113(c)(2)(A) of the Act, any person who knowingly makes any false material statement, representation, or certification in, or omits material information from, or knowingly alters, conceals, or fails to file a response to this information request, is subject to criminal penalties. *See 42 U.S.C. § 7413(c)(2)(A).*

You may choose to assert a business confidentiality claim covering all or part of the information submitted. You may not, however, withhold any information on that basis. In order for EPA to consider a claim of business confidentiality for one or more of the documents submitted by you, a cover sheet, stamped or typed legend, or other suitable form of notice must be placed on or enclosed to the document, with language such as “trade secret,” “proprietary,” or “company confidential.” Allegedly confidential portions of non-confidential documents should be clearly identified and may be submitted separately to facilitate identification and handling by EPA. For each confidentiality claim, the date or occurrence of any event after which the information can be released should be indicated, if applicable. If no confidentiality claim accompanies the information received by EPA, it may be made available to the public without further notice to you. EPA will disclose information covered by a confidentiality claim only to the extent allowed by, and in accordance with, the procedures set forth in EPA’s public information regulations, 40 C.F.R. §§ 2.201 *et seq.* (*See 41 Fed. Reg. 36902 (Sept. 1, 1976).*)

In order to fully comply with this Information Request, your response must include a completed Certification of Response (*see* Attachment 1 to Enclosure 1), notarized by a notary public, and signed by you or another officer of your company. Your responses to the questions in Enclosure 1, including all supporting documents and the Certification of Response, must be submitted electronically to EPA in accordance with the schedules as set forth in Enclosure 1 to:

Mr. Robert Buettner, Chief
Air Compliance Branch
U.S. Environmental Protection Agency, Region 2
buettner.robert@epa.gov

with copies sent by electronic mail to:

Harish Patel
patel.harish@epa.gov

Patrick Foley
foley.patrick@epa.gov

You should be aware that the schedule allows EPA to make additional requests for information, which would specify certain projects and/or time frames of concern. These requests, although they will be a modification of what is contained in Enclosure 1, will be considered part of this original request and subject to the aforementioned requirements.

EPA acknowledges that the COVID-19 pandemic may be impacting your business. If that is the case, we will consider your specific circumstances in determining an appropriate timeline for responding to this Information Request, while still ensuring that the Agency receives the information it needs to timely confirm your company's compliance with the CAA. The requested information shall be submitted to EPA in accordance with the timeline(s) specified in Part III of Enclosure 1. You may request an extension of this timeline to respond by sending an email to **Mr. Buettner** at the above-listed email address. Please include the reason(s) for the delay in responding and include the requested subsequent date for responding. In order to allow sufficient time for review, any such request for an extension of time must be made at least 10 calendar days prior to the date on which the requested information is due to EPA. An extension of time will be effective only if granted by EPA in writing. Further, EPA is seeking the information requested in Enclosure 1 due to emergency circumstances related the Limetree facility's operation, and thus a timely response is necessary and EPA is unlikely to agree to an extension of time to respond.

Please include the above-cited Reference No. CAA-02-2021-1461 in any and all of your response(s) to this Information Request. Further, if within one year of the date of this Information Request, you obtain information different from, or in addition to, the information provided in response to this Information Request, or if there is any change affecting the information submitted, you must notify EPA and submit

the relevant information no later than 14 calendar days after such information becomes available. You may address any questions concerning this matter to Mr. Harish Patel in the EPA Region 2 Air Compliance Branch at patel.harish@epa.gov or by phone at 212-637-4046. We appreciate and look forward to your prompt response.

Sincerely yours,

Dore LaPosta, Director
Enforcement and Compliance Assurance Division

Enclosures

cc: Catherine Elizee, Environmental Engineer, Limetree Bay Terminals, LLC
celizee@lbenergy.com

Verline Marcellin, Air Quality Program Manager
US Virgin Islands Department of Planning and Natural Resources
verline.marcellin@dpr.vi.gov

ENCLOSURE 1

INFORMATION REQUEST PURSUANT TO SECTION 114 OF THE CLEAN AIR ACT

The U.S. Environmental Protection Agency (“EPA”) requires the submittal of information regarding operations and compliance of the Limetree facility located at 1 Estate Hope, Christiansted, St. Croix, VI.

Part I: Instructions

In preparing your responses, please refer to the following instructions:

1. A complete and separate response must be provided for each numbered information request paragraph below. Identify each response with the same paragraph number to which it responds.
2. Provide all supporting documentation for each response. Supporting documentation includes, but is not limited to, company records (such as logs, receipts, ledgers, etc.), notifications or reports that have been submitted to EPA and/or the Virgin Islands Department of Planning and Natural and Resources (“VIDPNR”), manufacturer’s equipment specifications and equipment certifications, and other similar types of documents. For each document submitted, indicate the paragraph number to which it responds.
3. Provide as precise and complete a response as possible, even if the information sought was never documented in writing, or if the written documents are no longer available. Consult with all present and past employees and agents whom you or other employees or officers have reason to believe may be familiar with the matter to which the question pertains. Provide the name of each person responding to each information request paragraph, along with the names of all persons consulted in the preparation of each response.
4. If the requested information or documentation cannot be made available, state the reason(s) why it cannot be made available, and provide all information that could lead to obtaining it. If you cannot provide a precise answer to a question, please approximate, but in any such instance, state the reason for your inability to be specific.
5. In response to each question below, please provide, in detail, all relevant information. Please submit your responses to the EPA electronically. You may submit your responses electronically using any of the following methods: a) via electronic mail sent to Robert Buettner at the following address: buettner.robert@epa.gov, with electronic copies sent to Harish Patel (patel.harish@epa.gov) and Patrick Foley (foley.patrick@epa.gov); b) by providing the EPA with a link to the file sharing service of your preference where we may download the documents; or c) by requesting a link from the EPA to our file sharing service where you may upload the documents. If the information requested is not in existence or is not available, submit a statement certifying that fact, along with an explanation supporting such certification.
6. Pursuant to Section 114 of the Clean Air Act (the “Act”), Limetree must supply the requested information. The requested information must be submitted in accordance with the schedules in Part III: Specific Information Request, unless EPA grants, in writing, an extension of time to respond.

Part II: Definitions

All terms used in this Information Request will have their ordinary meaning unless such terms are defined in the Act, 42 U.S.C. § 7401 *et seq.*, and its implementing regulations. Where reference is made to the EPA regulatory provisions only, however, you should also apply the applicable federally approved state provisions when appropriate. Specific terms are defined as follows:

- A. The terms “document” and “documents” shall mean any object that records, stores, or presents information, and includes writings, memoranda, records, or information of any kind, formal or informal, whether wholly or partially handwritten or typed, whether in computer format, memory, or storage device, or in hardcopy, including any form or format of these.
- B. The term “Facility” shall mean the Limetree Bay Refining, LLC, and Limetree Bay Terminals, LLC, facility located at 1 Estate Hope, Christiansted, St. Croix, VI 00820.
- C. The terms “you,” “your” or “Limetree” means the following: the addressee of this Information Request, Limetree Bay Refining, LLC, and Limetree Bay Terminals, LLC.
- D. The terms “restart of the flare,” and “restart of the refinery” are defined in the Consent Decree Modification, lodged in August 2020.

Part III: Specific Information Request

Information Request

Please provide the information requested in questions 1-6 and 9-13 of this Part III of Enclosure I within **21 days** from the receipt of this Information Request. For questions 1-6 and question 9, submit monthly updates to your response **within 14 days of the end of each month**, through March 2023, with the last response required to be submitted on April 14, 2023, as indicated in question 7. For question 8, please submit your response according to the timing indicated in question 8. Unless otherwise stated, the information requested below shall be submitted in Microsoft Excel, Microsoft Word, or optical character recognition (OCR) Adobe Acrobat PDF format depending on the information requested. Provide each of the responses to the information requested in questions 1-6 in electronic spreadsheet format (preferably Excel).

1. For the #8 Flare, provide the 15-minute calendar clock average data from the first day data were available (i.e., including prior to monitor certification) after restart of the flare, through April 30, 2021, for the following parameters:
 - a. Vent gas net heating value (in BTU/SCF);
 - b. Vent gas flow rate (in KSCFH);
 - c. Vent gas exit velocity (in feet/second);
 - d. Assist steam flow rate (in KSCFH);
 - e. Supplemental gas flow rate (in KSCFH);
 - f. Calculated combustion zone net heating value (in BTU/SCF); and
 - g. Concentration in ppmv or volume percent (specify which units are provided) of each individual compound measured by any gas chromatograph or mass spectrometer installed and sampling gas in the flare header.
2. For the #8 Flare, provide the hourly-average and 3-hour rolling average data from the first day data were available (i.e., including prior to monitor certification) after restart of the flare, through April 30, 2021, for the following parameters:
 - a. Flare gas flow rate (in KSCFH);
 - b. Flare gas H₂S concentration (in ppmv); and
 - c. Flare gas total reduced sulfur (“TRS”) concentration (in ppmv).
3. For the #8 Flare, provide the daily average data from the first day data were available (i.e., including prior to monitor certification) after restart of the flare, through April 30, 2021, for the following parameters:
 - a. Flow of gas to the #8 flare from the reformer (in KSCFH);
 - b. Concentration of hydrogen in the gas sent to the #8 Flare from the reformer (in volume percent); and
 - c. Total Flare gas flow rate (in KSCFH).
4. For the reformer (Platformer #4) provide the daily average feed rate to the reformer (in BPD) from the first day data were available after initial restart of the reformer, through April 30, 2021. If the reformer was not operating on any day after the first day of initial restart, for each such

day, state the date and time the reformer ceased operating and the date and time the reformer resumed operation after having ceased operating.

5. For the East Fuel Gas Mixing Drums, provide the hourly-average and 3-hour rolling average data from the first day data were available (*i.e.*, including prior to monitor certification) after restart of the refinery or September 15, 2020 (whichever is earlier), through April 30, 2021 for the following parameters:
 - a. Fuel gas flow rate (KSCFH); and
 - b. Fuel gas H₂S concentration (ppmv).
6. For the hydrogen concentration provided in response to request 3.b. above, describe the method of analysis (*i.e.* grab sample and laboratory analysis, online continuous analyzer or any other method), frequency of analysis, and sampling time.
7. As indicated in the introduction to these requests:
 - a. submit monthly updates to your responses for questions 1-6 and question 9, including submittal of all information required in those questions, in electronic spreadsheet format;
 - b. submit monthly updates for the months of May 2021 through March 2023, and submit each month's update no later than the 14th day following the end of each month, ending on April 14, 2023. For example, the first such submittal would be information for May 2021, which would be submitted by June 14, 2021;
 - c. continue to submit these updates monthly for information up through March 2023, or until Limetree and EPA otherwise agree in writing that such submittals may cease.
8. Starting on the date of receipt of this information request letter and continuing until April 14, 2023, provide electronic copies of all notifications required to be made to the VIDPNR for any reported air exceedances, at the same time provided to VIDPNR. These notifications should be sent by email to Robert Buettner (buettner.robert@epa.gov), Harish Patel (patel.harish@epa.gov), and Patrick Foley (foley.patrick@epa.gov).
9. Provide the following information for all accidental air releases (reported or not reported to EPA and VIDPNR) that occurred at the facility on or after April 2, 2021:
 - a. The dates and specific times when the releases occurred.
 - b. For each release, a description of the process unit where the release came from, the substances and materials released, and how much of each substance or material was released (including supporting calculations).
 - c. Describe all corrective measures that were taken or will be taken to mitigate and/or control the release.

March East Side Fuel Gas H₂S Event and April #8 Flare H₂S Event

The following questions 10-13 relate to the following two different series of hydrogen sulfide (H₂S) exceedances at the Facility. First, to EPA's knowledge, starting on or about March 18, 2021 and continuing at times at least until March 25, 2021, H₂S monitoring in the vicinity of the east side mixing drum showed exceedances of the applicable 162 ppm H₂S standard. EPA refers to this series of

exceedances below as the “March East Side Fuel Gas H2S Event.” Second, to EPA’s knowledge, starting on or about April 19, 2021 and continuing at times at least until April 27, 2021, the H2S concentration monitored in the flare header to #8 Flare showed exceedances of the applicable 162 ppm H2S standard. EPA refers below to this series of exceedances, which may be continuing, as the “April #8 Flare H2S Event.”

10. Provide the following, in separate responses, for each of the two events defined above:
 - a. A description in detail of the events that led to the H2S exceedances and all actions taken to halt and/or address the release. Your response should include but not be limited to the following:
 - i. A map or other description of the geographical extent of the impact from the flaring event’s air emissions, including all properties where any impacts occurred.
 - ii. Descriptions of all corrective measures that have been taken or that will be taken to halt the emissions, correct the resulting harm, and/or prevent potential recurrence.
 - b. Only for the March East Side Fuel Gas H2S Event, provide a simple process flow diagram showing all gas lines from the East Side Mixing Drum running to all fuel combustion devices connected to the East Side Mixing Drum, and identify in the diagram any pressure relief valves associated with any fuel gas line depicted.
 - c. Only for the April #8 Flare H2S Event, provide a simple process flow diagram showing the connections between the #8 Flare, the amine units, and the sulfur recovery plant, as well as all pressure relief devices in or associated with the #8 Flare, the amine units, and the sulfur recovery plant.
 - d. Only for the April #8 Flare H2S Event, provide a copy of the Root Cause Analysis and Corrective Action Analysis report required to be generated pursuant to NSPS Subpart Ja or MACT Subpart CC, and all supporting documentation relevant to these analyses. If the report is not currently available, provide a date by which the Root Cause Analysis and Corrective Action Analysis report will be available, as well as copies of any other analyses of the cause(s) of the release(s) conducted to date.
 - e. Identify all EPA and local Virgin Islands government offices that were notified of the exceedances for the two events identified above, and the means and dates of such notifications. Provide copies of all written notifications.
 - f. Provide emission estimates for each pollutant released to the atmosphere during the event, and include calculations to support each emission estimate.
11. For the April #8 Flare H2S Event, state whether the general public was notified of the incident. If so, describe how and when such notification(s) was made, and when any updates to those notification(s) were provided. If such notifications were made in writing, or through a press release, provide a copy of such notifications.
12. Provide a copy of Limetree’s communication plan for informing and working with the community when any incident results in emissions going beyond the property line.

13. For the April #8 Flare H2S Event, describe any ambient monitoring Limetree conducted beyond the facility fenceline. Provide copies of all information collected.

ATTACHMENT 1 TO ENCLOSURE 1

CERTIFICATION OF RESPONSE

State/Territory of _____:

County of _____:

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in response to the Information Request and all documents submitted with this response, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted with this response are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that for one year from the date of the Information Request, I am under an obligation to supplement my response to the Information Request if any additional information relevant to the matters should become known or available to me.

NAME (print or type)

TITLE (print or type)

SIGNATURE

Sworn to before me this ___ day of _____, 2021

Notary Public