

3485 Pacheco Boulevard Martinez, CA 94553

VIA EMAIL

April 23, 2024

Bay Area Air Quality Management District 375 Beale Street, Suite 600 San Francisco, CA 94105

Subject: February 6, 2024 Reportable FXG Flaring Event Incident Report - Public Version

To Whom It May Concern:

Pursuant to Regulation 12 Rule 12 Section 406, Martinez Refining Company submits the following information regarding a reportable flaring event as defined in Regulation 12-12-208 that occurred on February 6, 2024. The attached report discusses the cause of the flaring event and any prevention measures considered to prevent recurrence of the event..

Should you have any questions or concerns regarding this report, please contact me at (925) 313-5387 or at william.hewlett@pbfenergy.com.

Sincerely,

William Hewlett

Will Hewlett

Environmental Air Engineer Martinez Refining Company, LLC 3485 Pacheco Boulevard Martinez, CA 94553 O 925.313.5387

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Attachment

cc: ccrowley@baaqmd.gov
and dfung@baaqmd.gov

1. Report Date: April 23, 2024

Regulation 12 Rule 12 Reportable Flaring Event Causal Analysis Report

2. Refinery Name and Site Number: Martinez Refining Company - BAAQMD Site # A0011

3.	Refinery Contact and Phone Number: William Hewlett (925) 313-5387
4.	Flare Identification: Flare S-1771
5.	Flaring Event Duration — Shutdown: a. Dates: February 6, 2024 to February 12, 2024 i. Start Time: February 6, 2024 at 11:05 ii. End Time: February 11, 2024 at 04:12 iii. Total Duration of Event: 4 days, 17 hours, and 7 minutes.
6.	Brief Description of Flaring Event: is a low-BTU fuel gas made in the and burned in the refinery heaters along with refinery fuel gas. During shutdown, was sent to the greater than 0.5 MMSCFD.
	The which produces the was shut down for an unscheduled major maintenance turnaround. To ensure safe and reliable operation of the refinery heaters that combust as fuel, cannot be burned in the refinery heaters during shutdown of the composition changes significantly during these periods.
7.	Process Flow Diagram: see attached process flow diagram
8.	Total Volume of Gas Flared: 96,669,906 SCF
	 a. Volume of Gas Flared 2/6/24: 1,657,361 SCF b. Volume of Gas Flared 2/7/24: 9,320,152 SCF c. Volume of Gas Flared 2/8/24: 26,849,867 SCF d. Volume of Gas Flared 2/9/24: 23,664, 373 SCF e. Volume of Gas Flared 2/10/24: 28,497,393 SCF f. Volume of Gas Flared 2/11/24: 6,680,760 SCF
9.	Total Emissions due to flaring based on Regulation 12 Rule 11 Methodology
	 a. 9,530 lbs of methane b. 26 lbs of non-methane hydrocarbons c. 179 lbs of sulfur dioxide
10.	Was the Gas Scrubbed? The flared for this flaring event was scrubbed for H2S removal in the Unit for the entire duration of the shutdown. The Unit shut down (and feeds were taken offline) at 20:00 on 2/6/24 and the Unit remained online until 20:00 on 2/8/24.
11.	Primary Cause of Flaring Event including Detailed Description of the Cause and Contributing Factors: The primary cause of the flaring for this flaring event is the basic design of the Unit and how it must be shut down and started up. The Unit was shut down in February for
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turnarounds.



