



Amber Larsen  
Environmental, Health & Safety

**Tesoro Refining & Marketing Company LLC**

A subsidiary of Marathon Petroleum Corporation

1150 Solano Way  
Martinez CA 94553

RECEIVED

August 25, 2019

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Contra Costa Health  
Hazardous Materials

**Mr. Randy Sawyer**  
Director, Hazardous Materials Division  
Contra Costa Hazardous Materials Program  
4585 Pacheco Blvd.  
Martinez, CA 94553

Via email

**Subject: 30 Day Report for the July 21, 2019 Flaring Event**

Dear Mr. Sawyer

The Tesoro Refining & Marketing Company LLC DBA Marathon Martinez Refinery is submitting a 30-day report for the July 21, 2019 Flare Event. The investigation is still in progress. The final investigation information will be communicated upon completion.

If you have any questions regarding this report, please call me at (925) 370-3279 or Ms. Sabiha Gokcen at (925) 370-3620.

Sincerely

A handwritten signature in cursive script that reads "Amber Larsen".

**Amber Larsen**  
Environmental, Health and Safety Manager

Cc: Ms. Cho Nai Cheung  
Ms. Nicole Heath

**30-Day Report  
Marathon Martinez Refinery  
July 21, 2019 Flaring Event**

Summary of Event:

The incident started at 18:32 hours on July 21st, with internal notification to Marathon's Shift Superintendent. Operations communicated that both wet gas compressors at #5 Gas Plant tripped off-line, which automatically caused both flare gas recovery compressors to shut down. This triggered a flare event at the main flare system, causing an SO2 release. The shift organization immediately began to reduce unit rates, and another wet gas compressor at #4 Gas Plant was brought online to handle the wet gas load. At this point, Operations was able re-start both wet gas compressors at #5 Gas Plant, then the flare gas recovery compressors, and flaring ceased at 19:01 hours.

A brief timeline follows:

18:32 hrs: Wet Gas and Flare Recovery compressors trip resulting in flaring  
18:59 hrs: CWS level 1 notification made  
19:01 hrs: Flaring ceases after compressors restarted  
19:21 hrs: CCCHSD call with the refinery  
19:29 hrs: Cal-OES notification for SO2 RQ exceedance (Report #19-4660)

Agency Notification and Response:

The following agencies were immediately notified: Contra Costa Hazardous Materials Program (CCCHSD) via the CWS, the Bay Area Air Quality Management District (BAAQMD) via the CWS, Contra Costa Fire Protection District, and the Contra Costa County Office of Emergency Services. The following agencies responded with personnel to the scene: no agencies responded in person, CCCHSD followed up with telephone call.

The following is a summary of the initial agency notifications made by the refinery.

Community Warning System activation (Level 1) ..... 18:59 hrs  
Cal-OES for SO2 RQ exceedance (Report #19-4660) ..... 19:29 hrs

[Note: Notifications over the CWS terminal: CWS level 1 notifies CCHMP, Contra Costa OES, and the Contra Costa Sheriff with a specific message. Additional notice informs BAAQMD, Contra Costa Fire Protection District, Martinez Police, Antioch Police, Pinole Police and Richmond Police. CWS level 2 notifies CCHMP, Contra Costa OES, Contra Costa Sheriff and BAAQMD with a specific message. Additional notice informs Contra Costa Fire Protection District, California Highway Patrol, California Dept. of Health, San Ramon Valley Fire, Martinez Police, Antioch Police, Pinole Police and Richmond Police. CWS level 3 notifies CCHMP, Contra Costa OES, Contra Costa Sheriff and BAAQMD with

a specific message. Additional notice informs Contra Costa Fire Protection District, California Highway Patrol, California Dept. of Health, San Ramon Valley Fire, Martinez Police, Antioch Police, Pinole Police, Richmond Police, EDIS and National Weather Service. CWS level 3 also activates sirens and the news media with a shelter in place message.]

**Emergency Response Actions:**

No emergency response actions were required. Additional process actions were taken to minimize the flaring and re-start the wet gas compressors and subsequently the flare gas recovery compressors.

**Material Released:**

The material released was Sulfur Dioxide from the flaring. The release amount was estimated at 1760 lbs., which exceeds the Reportable Quantity of 500 lbs.

**Meteorological Conditions:**

The weather was clear, sunny and dry on 7/21/2019. The average wind speed and direction, during the flaring event was 9 mph and 272 degrees respectively (wind direction primarily from the Northwest). The temperature was about 76 degrees F.

**Injuries:**

No injuries were reported on or off site.

**Community Impact:**

There was visible flaring and smoke from the refinery flares.

**Incident Investigation of the event:**

The incident investigation is still in progress.