



**Patricia Roberts, P.E.**  
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**Health, Environment &  
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*August 17, 2020*

Mr. Matt Kaufmann  
Hazardous Materials Programs Director  
Contra Costa Health Services  
4585 Pacheco Boulevard, Suite 100  
Martinez, CA 94553

### **Chevron Richmond Refinery 72 Hour Follow-Up Notification Report Form**

Dear Mr. Kaufmann:

This is in response to the request for a 72 Hour Follow-Up Notification Report. If you have any questions, please contact me at 510 890-5677.

Sincerely,

Patricia Roberts

cc: Greg Shockey

**For CCHS Use Only:**

**Received By:**

**Date Received:**

**Incident Number:**

**Copied To:**

**Event Classification Level:**

**ATTENTION:** Matt Kaufmann  
Hazardous Materials Program Director  
Contra Costa Health Services Department  
4333 Pacheco Boulevard  
Martinez, CA 94553

**INCIDENT DATE:** August 14, 2020

**INCIDENT TIME:** 11:22

**FACILITY:** Chevron Richmond Refinery

**PERSON TO CONTACT FOR ADDITIONAL INFORMATION:** Patricia Roberts

Phone Number:

(510) 242-3887 (office)

(510) 890-5677 (mobile)

## I. SUMMARY OF EVENT

On August 14<sup>th</sup>, 2020 at approximately 11:11 a.m., a refinery cogeneration train tripped offline due to an issue with one of the plant safety systems. This resulted in a sudden reduction of steam flow across the refinery.

The subsequent reduction of steam flow to a compressor in the refinery resulted in increased pressure in a different operating plant. To relieve the pressure and maintain the plant in a safe posture, the refinery's flare system activated. Flow to the flare began at approximately 11:22 a.m. Flaring stopped at around 12:38 p.m.

## II. AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION

In accordance with the Contra Costa County Health Services (CCCHS) incident notification policy, a CWS Level 1 notification was sent.

Primary: Community Warning System (CWS):

- Level 1 CWS activated at approximately 11:48 a.m.

Secondary: Subsequent notifications via telephone to the agencies below

Agency	Person Reached	Phone Number	Time
Contra Costa County Health Services Department	Daniel Vazquez	925-655-3243	11:50
BAAQMD	Yulia /Dispatcher 871	415-749-4979	11:50
BAAQMD for Flow >500,000 SCF	Yulia/Dispatcher 871	415-749-4979	12:15
SOES	Chris	800-852-7550	11:50

### III. AGENCIES RESPONDING, INCLUDING CONTACT NAMES AND PHONE NUMBERS:

At this time, we are aware of the following agencies that have responded.

Agency	Representative	Phone Number
Contra Costa County Health Services Department	Trisha Johnson Daniel Vazquez	925-655-3243
BAAQMD	Linda Duca	415-760-6710

### IV. EMERGENCY RESPONSE ACTION:

The Chevron Fire Department Incident Command System was not required nor initiated, and Fire Brigade members were not mobilized.

No mutual aid was required for this event.

### V. IDENTITY OF MATERIAL RELEASED AND ESTIMATED OR KNOWN QUANTITIES:

Emissions from flaring associated with the event are summarized below.

	Flare emissions
Vent Gas Volume (SCF)	1,164,275
SO <sub>2</sub> (lbs)	975

\* Flare emissions data presented herein is for the date of the flaring (8/14/2020). Estimates herein are based on currently available data. Upon further investigation and analyses, an update will be provided should a significant change of the data occur.

### VI. METEOROLOGICAL CONDITIONS AT TIME OF EVENT:

Wind Speed (mph)	10
Wind Direction (degree)	20SW
Precipitation (inches)	0
Temperature (F)	86

Information based on data received from the Refinery's meteorological station which is located near Gertrude Street.

### VII. DESCRIPTION OF INJURIES:

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There were no injuries associated with this event.

## VIII. COMMUNITY IMPACT:

Ambient air sampling conducted by the Chevron Fire Department and Contra Costa County Health Services during this event using mobile equipment yielded no detectable readings.

### Ground Level Monitoring Data Summary

There were no regulatory exceedances based on Ground Level Monitoring data. There are no detects above known health limits based on the GLM data.

	Background Prior to and Maximum Concentration Readings During the Flaring		
	Castro Street	Golden Gate	Gertrude Street
H <sub>2</sub> S (ppb) Background @ 11:00	3.4	4.0	1.8
H <sub>2</sub> S (ppb) Max.	4.3	4.2	2.3
SO <sub>2</sub> (ppb) Background @ 11:00	4.2	6.2	2.5
SO <sub>2</sub> (ppb) Max.	4.5	6.2	2.9

Note: The Cal/OSHA Permissible Exposure Limit (PEL) for SO<sub>2</sub> is 2,000 ppb (2 ppm) averaged over an 8-hour period. The Cal/OSHA PEL for H<sub>2</sub>S is 10,000 ppb (10 ppm) averaged over an 8-hour period.

### Fenceline Air Monitoring Summary

During the time period of flaring, no elevated air quality readings of concern were seen at fenceline air monitoring stations.

### Community Air Monitoring Summary

During the time period of flaring there were no elevated air quality readings of concern at the stationary Chevron community air monitoring stations.

## IX. INCIDENT INVESTIGATION RESULTS:

An incident investigation will be conducted to determine the cause of the flaring.

## X. SUMMARIZE INVESTIGATION RESULTS BELOW OR ATTACH COPY OF REPORT:

Results will be determined by the investigation.

## XI. SUMMARIZE PREVENTABLE MEASURES TO BE TAKEN TO PREVENT RECURRENCE INCLUDING MILESTONE AND COMPLETION DATES FOR IMPLEMENTATION

Preventable measures will be determined by the investigation.