

**For CCHS Use Only:**

**Received By:**

**Date Received:**

**Incident Number:**

**Copied To:**

**Event Classification Level:**

**ATTENTION:** Matthew Kaufman  
Hazardous Materials Program Director  
Contra Costa Health Services Department  
4585 Pacheco Boulevard  
Martinez, CA 94553

**INCIDENT DATE:** 7/17/2022

**INCIDENT TIME:** 09:18

**FACILITY:** Chevron Richmond Refinery

**PERSON TO CONTACT FOR ADDITIONAL INFORMATION:**

Laura Leeds / Phone Number: (510) 242-3887

**I. SUMMARY OF EVENT**

On 7/17/2022 at approximately 09:18 flaring occurred during the startup of a process unit. A CWS Level 1 notification was issued. The flaring stopped at approximately 09:25. On 7/18/2022, Chevron's environmental team followed process and reviewed the 7/17 flaring event and determined that additional reporting was required due to the potential for a reportable quantity. Chevron notified Cal-OES, and Hazardous Materials Spill Report 22-4084 was created.

**II. AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION**

In accordance with the Contra Costa County Health Services Hazardous Materials Program's (CCCHSHMP) Incident Notification Policy, a CWS Level 1 notification was sent.

Primary: Community Warning System (CWS):

- Level 1 CWS activated at approximately 11:22am on 7/17/2022.

Secondary: Subsequent notifications via telephone to the agencies below

Agency	Person Reached	Phone Number	Time
Richmond Fire/ Police Central Dispatch	Dispatch Badge #1772	510-620-6933	11:31
Contra Costa County Health Services Hazardous Materials Program	Sheriff's Dispatch Badge #80942	925-655-3232	11:52
BAAQMD	Left Message	415-749-4979	11:35
Cal-OES		800-852-7550	15:49 on 7/18

The list above does not include all representatives from all agencies.

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

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

Contra Costa County Health Services Hazardous Materials Program	Follow up phone calls from Adam Springer on 7/19	925-655-3216
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### IV. EMERGENCY RESPONSE ACTION:

No emergency response action was required or initiated for the flaring event.

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

Emissions from flaring are summarized below.

Vent gases were combusted with at least 98% combustion efficiency.

	Flare emissions
Vent Gas Volume (SCF)	39,286
SO <sub>2</sub> (lbs)	480
Methane (lbs)	2.9

\* Flare emissions data presented herein is for the date of the flaring (7/17/2022). 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)	13.9
Wind Direction (degree)	203.7
Precipitation (inches)	0.0
Temperature (F)	59.5

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

### VII. DESCRIPTION OF INJURIES:

There were no injuries associated with the flaring event.

For clarification, there were two subsequent reports made to Cal-OES that erroneously connected medical cases to the 7/17/2022 flaring event. On 7/19/2022, Chevron was notified of an update to its original 22-4084 report that was provided by an anonymous caller. That update incorrectly asserted that there were three medical cases as a result of the 7/17 flaring. Chevron was also made aware of a second Cal-OES event that was placed in the system under Hazardous Materials Spill Report 22-4094 that also incorrectly asserted two medical cases related to the 7/17 flaring. Updates have been made to both Cal-OES reports to correct inaccurate information.

## VIII. COMMUNITY IMPACT:

There were no regulatory exceedances based on Ground Level Monitoring data. There are no detections above known health limits based on Air Monitoring data.

### Ground Level Monitoring Data Summary

	Background Prior to and Maximum Concentration Readings During the Flaring		
	Castro Street	Office Hill	Gertrude Street
H <sub>2</sub> S (ppb) Background @ 9:00	3.394	3.373	4.286
H <sub>2</sub> S (ppb) Max.	3.854	4.119	5.230
SO <sub>2</sub> (ppb) Background @ 9:00	4.693	5.691	2.315
SO <sub>2</sub> (ppb) Max.	5.208	5.694	2.500

Note: The Cal/OSHA 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.

### Fence Line Air Monitoring Summary

During the time period of flaring, no obvious detections were seen at fence line air monitoring stations.

### Community Air Monitoring Summary

During the time period of flaring, no obvious detections were seen at community air monitoring stations.

## IX. INCIDENT INVESTIGATION RESULTS:

An incident investigation will be conducted to determine the root cause(s) that led to 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.