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Contra Costa Health  
Hazardous Materials

For CCHS Use Only:

Received By:

AS

Date Received:

2/3/23

Incident Number:

23013106

Copied To:

Event Classification Level:

1

**ATTENTION:** Nicole Heath  
Acting Hazardous Materials Program Director  
Contra Costa Health Services Department  
4585 Pacheco Boulevard Suite 100  
Martinez, CA 94553

**INCIDENT DATE:** 1/31/2023

**INCIDENT TIME:** 14:50

**FACILITY:** Chevron Richmond Refinery

**PERSON TO CONTACT FOR ADDITIONAL INFORMATION:** Laura Leeds

Phone number: (510) 242-3887 (office)

## I. SUMMARY OF EVENT

At approximately 2:50 pm on January 31, 2023, a release occurred while preparing a section of wharf piping for hydrotest. The pipe had recently been flushed but contained residual diesel-like material. While pressuring up the system with firewater as part of the hydrotest, a flange began leaking. Secondary containment was in place, but due to spray formation, some of the released material went directly to the water. The flange leak was stopped, but a breach discovered in the secondary containment also contributed to the release to water. The released material was <1BBL of a mixture of diesel-like product and water. Spill response operations immediately commenced.

## II. AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION

Per our internal response procedures, the following agencies were notified, and a CWS Level 1 notification was issued.

Agency	Person Reached	Phone Number	Time
State Warning Center Cal Emergency Management Agency	Romney	1-800-852-7550	3:23pm
National Response Center (NRC)	Katy	1-800-424-8802	3:29pm
Contra Costa County Health Services Dept. (CCC HSD)	Sarah Dwight	925-655-3232	3:36pm
United States Coast Guard	Magowan	415-399-3530	3:40pm
CA Department of Fish & Wildlife	Left Message	916-358-1312	3:44pm

Richmond Fire / Police Central Dispatch	Badge #1750	510-620-6933	3:47pm
Regional Water Quality Control Board	Left Messages	510-622-2369	4:06pm
BCDC Oil Spill Program	Cody	415-279-5338	4:08pm
CA State Lands Commission	Tooraj Monsef (call back)	510-590-5201	4:12pm

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

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

United States Coast Guard (USCG)	Petty Officer Hamilton Additional 5 personnel	(510) 697-9664
CA State Lands Commission	Ian Curry	
CA Department of Fish & Wildlife	Officer Peter Georges briefed by phone on 1/31	(707) 718-2607
BAAQMD	Roger Pharn Chris Coelho	(415) 793-0974 (415) 760-0608
Marine Spill Response Corporation (MSRC)	Harry Fujii	(800) 645-7745

**IV. EMERGENCY RESPONSE ACTION:**

The Chevron Fire Department (CFD) Incident Command System was initiated at 1455 on 1/31/23. All personnel were accounted for with no injuries reported. CFD met with Operations for an initial briefing and was informed that the following actions had been taken.

1. Affected equipment isolated.
2. All wharf operations halted.
3. Containment and adsorbent boom deployed in specific areas.

Upon initial assessment, CFD requested additional internal and MSRC resources. CFD assisted with boom deployment and air monitoring. Area surveillance was conducted by MSRC and internal drone resources. CFD provided incident updates to federal, state and local agencies.

Command was terminated at 1540 on 2/1/23.

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

Based on current available information, the total quantity of water and residual diesel-like material released is estimated to be <1BBL.

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

Wind Speed (mph)	4.82
Wind Direction (degree)	268
Precipitation (inches)	0.00
Temperature (°F)	57.6

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

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**VII. DESCRIPTION OF INJURIES**

No injuries occurred as a result of this incident.

**VIII. COMMUNITY IMPACT:**

There were no regulatory exceedances based on Ground Level Monitoring data. There were 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 Event		
	Castro Street	Office Hill	Gertrude Street
H <sub>2</sub> S (ppb) Background 13:50 – 14:49	2.313	2.284	1.965
H <sub>2</sub> S (ppb) Max.	3.089	2.871	2.618
SO <sub>2</sub> (ppb) Background 13:50 – 14:49	3.091	6.603	2.500
SO <sub>2</sub> (ppb) Max.	3.188	6.215	2.702

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 the event there were no elevated detections at the fence line monitoring stations.

**Community Air Monitoring Summary**

Hourly community air monitoring was conducted by CFD until 1300 on 2/1/23. No odors were detected during that time period.

During the time period of the event there were no elevated detections at the community air monitoring stations. No exceedances of health limits were recorded.

**IX. INCIDENT INVESTIGATION RESULTS:**

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

**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.