

Chevron Richmond Long Wharf Oil Spill

Incident Date: February 9, 2021

***Presentation to Hazardous Materials Commission
February 25, 2021***



Chevron Richmond Refinery

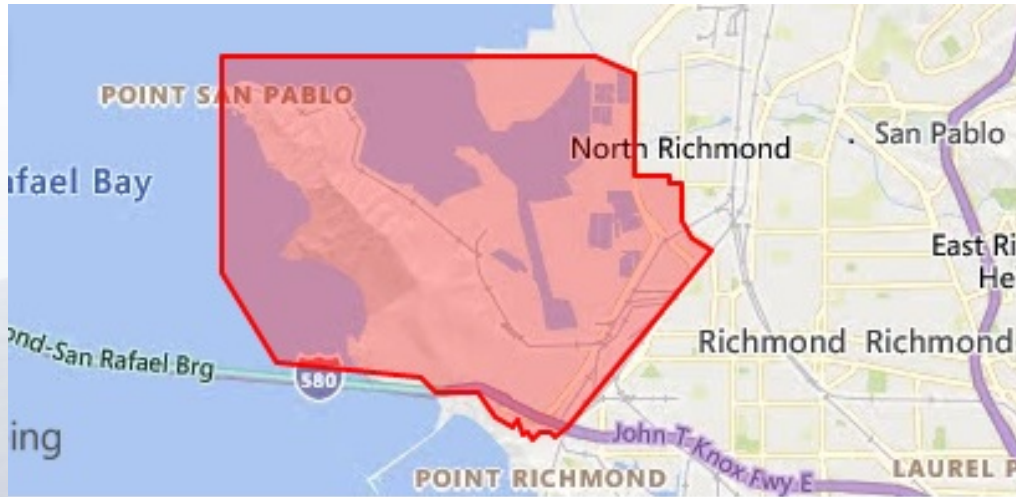
- Largest Petroleum Refinery in Contra Costa County
 - ~245,000 barrels of crude oil per day (10,290,000 gallons/day)
 - Chevron leases the long wharf from State Lands Commission
 - Pipelines on the wharf are owned by Chevron
- United States Coast Guard and State Lands Commission regulate the portion of pipeline involved in the incident
- Chevron is required to have an approved Facility Response Plan (FRP) in the event there is an oil spill.
 - The FRP was approved by the United States Coast Guard

Oil Spill Incident – February 9th

- Chevron was notified of an observed oil sheen by a citizen at approximately 2:36 PM
- Contra Costa Health Services notified via phone at 3:35 PM
 - CWS Level 2 Incident Issued at 3:43 PM
 - Health Advisory issued automatically with CWS Level 2
- Contra Costa Health Services On-Scene at 4:21 PM
- 500-750 gallons of diesel/water mixture was released from a pipeline on the Chevron Long Wharf
 - Initially reported as a “mixture of recovered oil and gasoline” leaking at 5 gallons per minute

CWS Level 2 Incident

- CWS Level 2 Incident – Initiated by Chevron
 - Health Advisory for Individuals with Respiratory Sensitivities
 - Lifted at 8:44 PM based on CCHS air monitoring results



CCHS Response

- Unified Command
 - Chevron, United States Coast Guard, Department of Fish and Wildlife – Office of Spill Prevention and Response, Contra Costa Health Services
- Air Monitoring
 - Conducted by CCHS and Chevron Fire
- Oil Spill Mitigation (Chevron and Contractors)
 - Boom Deployment
 - Around the compromised portion of pipeline under the wharf
 - Sensitive receptor sites (sensitive wildlife populations and/or significant economic impact)
 - Shoreline Cleanup Assessment Technique Teams
 - Cleanup Using Hydrophobic Oil Absorbent Pads
 - Skimmers were deployed, but not used
- Termination of the Incident – 2 Days Without Observed Sheening



72 Hour Report Submitted

- Required by the Hazardous Materials Incident Notification Policy
- <https://cchealth.org/hazmat/>
- Received Feb. 12th

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: February 9, 2021

INCIDENT TIME: 14:36

FACILITY: Chevron Richmond Refinery

PERSON TO CONTACT FOR ADDITIONAL INFORMATION: Patricia Roberts
Phone Number: (510) 890-5677

I. SUMMARY OF EVENT

At approximately 14:36, the Refinery Shift Leader (RSL) received a call from a private citizen that there was a sheen observed in the water near the Chevron Richmond Long Wharf. Notifications were made to Long Wharf operations, Chevron Fire Department and Wharf supervision. Operations immediately began investigation into a potential release to the water. Operators in a boat were able to identify a leak in an overhead line. Wharf operations immediately took actions to set up a boom in the water around the leak and to isolate and de-inventory the line. The line was observed to no longer be leaking at 16:30.

II. AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION

After making a determination of potential off-site consequences from a release to the water, in accordance with the Contra Costa County Health Services (CCHS) incident notification policy, a CWS Level 2 notification was sent.

Primary: Community Warning System (CWS):

- Level 2 CWS activated at approximately 15:43
- CWS Level Update @ 16:05
- CWS Level Update @ 16:30
- CWS Level Update @ 16:54
- CWS Level Update @ 17:37

Incident Investigation

- Incident Investigation, Including a Root Cause Analysis Performed by a Third Party
- Authority:
 - Major Chemical Accidents or Releases (Industrial Safety Ord.)
 - Major Incident (CalARP Program 4 Regulations)
- When is a Root Cause Analysis Incident Investigation Occur:
 - CWS Level 2 or 3 Incident
 - Fatality
 - Serious Injuries
 - Major on-site or off-site damage
- Presentation to the ISO/CWS Ad Hoc Committee on Tuesday, Feb. 23rd

Oversight Committee

- Oversight Committee
 - Up to 3 Local Community Members
 - **1 Hazardous Materials Commissioner**
 - 1 Stationary Source Representative (Chevron)
 - 1 Stationary Source Employee Representative (United Steel Workers)
 - City of Richmond Representative
 - CCHS Hazardous Materials Staff (Chair)
- All costs are paid for by the responsible party

Responsibilities

- Assure the incident investigation is open and transparent
- Ensure the end-product will make a difference in the process safety.
- Assist in developing a scope of work, selecting the contractor or contractors, receive and comment on periodic updates from the contractor, and review and comment on the final draft of the report.
- General Guidance:
https://cchealth.org/hazmat/pdf/iso/section_g.pdf

The background of the slide is a photograph of a vast, scenic landscape. In the foreground and middle ground, there are rolling green hills with scattered trees and shrubs. The hills are covered in lush green grass. In the background, there are more prominent mountains with some rocky peaks, partially shrouded in a light haze or mist. The sky is a pale, overcast blue. The overall mood is serene and expansive.

Questions?