Chevron Richmond Refinery Richmond, CA

Chevron Richmond Refinery

was built in July 1902, and processed only 10,000 barrels a day of crude oil.

In 2002 the refinery celebrated its centennial and had six area business units with 30 operating plants, two cogen. plants, five boilers, and the ability to move 340,000 barrels a day of raw materials and finished products across its long wharf.

Today, the Refinery provides jobs for more than 1,800 people, and covers approximately 2,900 acres in the Richmond area.

The refinery is the largest oil refinery in the Bay Area and the primary business is to make transportation fuels from crude oil including gasoline, jet fuel, and diesel fuel. The refinery also produces lubricating oils and liquefied petroleum gas and several by products recovered from the crude oil including sulfur and anhydrous ammonia.

Chevron is one of the world's largest integrated energy companies. Headquartered in San Ramon, California, they conduct business in more than 100 countries.

Hazardous Substances Stored or Produced Onsite and their Immediate Health Effects

- Flammable Gases: may be a mild irritant to throat, nose, and lungs. May cause discomfort to eyes.
- Hydrogen Sulfide: Colorless rotten egg smelling corrosive and toxic gas. May irritate nose, throat, and lungs. Causes headaches, dizziness, and difficulty in breathing.
- Anhydrous Ammonia: colorless, corrosive, irritating gas. Has a sharp suffocating odor. Inhalation can cause irritation in nose, throat, and lungs. May cause shortness of breath, headache, nausea, and vomiting.
- Sulfuric Acid: Colorless to brown in appearance. May cause digestive and respiratory tract burns and irritation.

March 2022

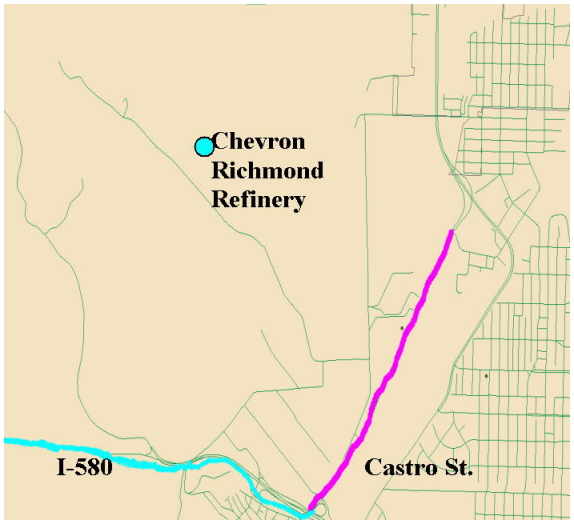
Chevron Richmond Refinery Richmond, CA

3-Year Accident History

(Last updated March 2022) On February 09, 2021, Chevron had a Major Chemical Accident or Release (MCAR) when a pipe leak from the Wharf Area resulted in 18.1 barrels of hydrocarbon being spilled into the San Francisco Bay. The incident did not result in a shelter in place.

Safety Features and Recent Improvements (Updated June 2021):

The Chevron Richmond Refinery follows internal refinery instructions for design consideration including inherent measures such as: equipment placement that minimizes the length of piping carrying hazardous materials Additional improvement project incorporated risk reduction strategies such as: safety trips and shutdown on equipment; upgrading equipment; and clarified procedures to minimize loss of containment



Summary of Most Recent Audit (July 2019):

Chevron has developed policies and procedures as required by the California Accidental Release Prevention (CalARP) Program for refineries and the City of Richmond's Industrial Safety Ordinance. The prevention programs are generally complying with the requirements. Based on CCHSHMP observations, some of the units have not been properly staffed and resulting in much personnel overtime. This extended fatigue is a serious issue that needs to be addressed with a stop-gap measure while additional personnel are being hired and trained. The refinery has effective procedures and emergency response programs in place; however, they were asked to improve identification of potential major incidents so that all the required reporting is followed. The facility needs to perform a safety culture assessment following the 2017 CalARP program for refineries requirements.

For more information:

Copies of the latest audit findings, Risk Management Plan, and Safety Plan may be found in the following locations:

CCHS Hazardous Materials Office
4585 Pacheco Blvd., Suite 100 Martinez, CA 94553

Point Richmond Public Library
135 Washington Ave., Richmond, CA 94801

Richmond Public Library
325 Civic Center Plaza, Richmond, CA 94804

Visit our website at cchealth.org/groups/hazmat or call 925-335-3200.

CONTRA COSTA HEALTH SERVICES

March 2019