



## The Marathon Martinez

**Refinery** is an independent oil refinery and marketer of petroleum products in the United States. The Marathon Refinery was formerly known as the Tesoro, Ultramar Golden Eagle Refinery, Tosco Avon Refinery, and Phillips Avon Refinery. This plant is currently idled. This 24-hour plant reportedly had 650 full time employees. The Marathon Refinery processed about 168,000 barrels (1 barrel = 42 gallons) of crude oil per day into transportation fuels. The main fuels produced were gasoline and diesel. The refinery produced propane and butane for commercial uses. Also, the refinery produced anhydrous ammonia and elemental sulfur as by-products of the refining process, which were used for farming; as well as petroleum coke which was used for fuel cogeneration plants in East Contra Costa County and overseas. The refinery also supplied industrial neighbor Air Liquide with carbon dioxide for the manufacture of dry ice.

## Hazardous Substances Stored or Produced Onsite and Their Immediate Health Effects

- **Flammable Gases:** may be a mild irritant to throat, nose, lungs and discomfort to eyes.
- **Hydrogen Sulfide:** colorless, rotten egg smelling, corrosive and toxic gas. May irritate nose, throat and lungs and cause 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.
- **Sulfur Dioxide:** colorless, corrosive gas with burnt match odor. May irritate nose, throat and lungs; may cause asthma-like reaction when inhaled.
- **Aqueous Ammonia:** colorless liquid with pungent odor. May cause convulsions breathing difficulty and nausea. Made by dissolving anhydrous ammonia in water.

# 3-year Accident History (Last updated March 2022)

No Accidents to Report

## Safety Features and Recent Improvements (updated June 2020):

Marathon Refinery reported improvement projects designed to reduce potential accidents and injuries including removing old and unnecessary equipment to eliminate potential release points, reduced potential personnel exposure with equipment modifications; and improving process design features.

## Summary of Most Recent Audit (updated September 2019):

Marathon has developed and is implementing policies and procedures as required by CalARP and the County Industrial Safety Ordinance. Much of the prevention programs were found to be in compliance and consistent with the policies. Marathon needs to ensure that the human factors program effectiveness is reviewed on an established frequency for necessary revisions with employees and their representatives. Marathon needs to improve their fatigue management program. Marathon needs to address gaps in their damage mechanism program. The inherently safety systems program needs to ensure proper participation

### For more information:

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

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

Martinez Library  
740 Court St. Martinez, CA 94553



Visit our website at [www.cchealth.org/groups/hazmat](http://www.cchealth.org/groups/hazmat) or call 925-655-3200.