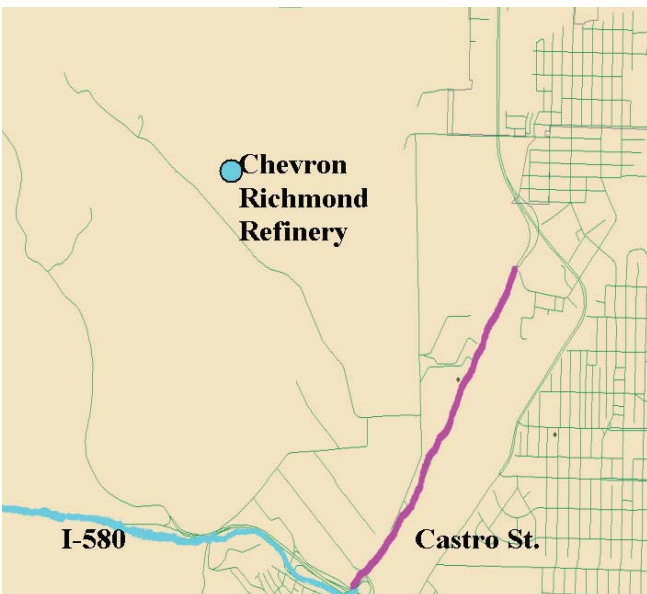




**Chevron Richmond Refinery** was built in July 1902, and processed only 10,000 barrels a day of crude oil. Today, the Refinery provides jobs for more than 1,800 people, covers approximately 2,900 acres, has a refining capacity of 240,000 barrels of crude oil per day, and is the largest oil refinery in the Bay Area. The refinery's primary products are motor gasoline, jet fuel, diesel fuel and lubricants.

### 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.



## 3-Year Accident History

(Last updated February 2007)

1/15/2007: A fire started at 5:23AM at the #4 Crude Unit near the vacuum column bottoms pump while the process was being shut down in preparation for scheduled maintenance. At 5:33AM Chevron upgrades incident to request the community to shelter-in-place. Sirens were sounded and the Telephone Emergency Notification was activated for Point Richmond and Point Molate. An unknown amount of hydrocarbons (hydrocarbons are the chemicals that make gasoline, jet fuel, and diesel fuel) that contained sulfur compounds was combusted, resulting in a release of sulfur dioxide and some partially combusted hydrocarbons. Air monitoring did not indicate adverse air quality impacts in the community. There were no other accidents within the last three years.

### Safety Features and Recent Improvements (updated June 2006):

- The Chevron Richmond Refinery has reported improvement projects designed to reduce the potential for accidents and injuries, including: reduction in hazardous materials inventory; minimizing personnel exposure with equipment modifications; improving process design features such as using different catalyst that allows process to operate at lower temperatures, and higher corrosion resistance piping and equipment; piping modifications that eliminated liquid accumulation points; elimination of unnecessary equipment; and installation of additional safety shutdown systems. Chevron also assessed locations of occupied buildings with consideration of overpressure blast zones and has relocated personnel or buildings as appropriate.

### 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  
4333 Pacheco Blvd, Martinez, CA 94553

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

Visit our website at [www.cchealth.org/groups/hazmat](http://www.cchealth.org/groups/hazmat) or call 925-646-2286

### Summary of Most Recent Audit (February 2006):

Chevron has developed policies and procedures as required by the California Accidental Release Prevention (CalARP) Program and the City of Richmond's Industrial Safety Ordinance. These prevention programs are generally found to be in compliance and much of the findings from the 2003 audit were addressed. Additional suggestions were made to enhance existing programs. The facility completed the process of reviewing all operating procedures and preparing these documents so that they are available electronically; however, hard copies of emergency procedures must also be available for use and must include all safety shutdowns and interlock information. Management was asked to improve communication with and involvement of employees in various prevention programs, which will greatly improve the overall safety of the refinery.