

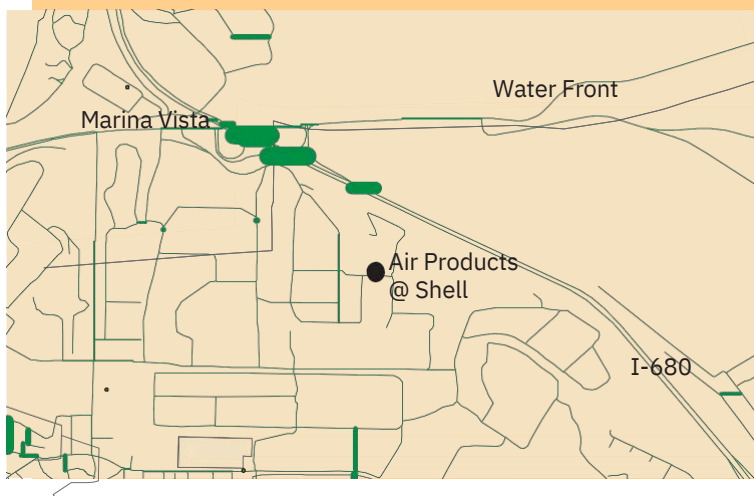


The Air Products Hydrogen Plant

is part of the Global Operations Group, Air Products and Chemicals Inc. of Allentown, PA and is located inside the PBF's Martinez Refinery. The primary purpose of this plant is to make gaseous hydrogen, mainly from natural gas; for MRC, which they use to remove sulfur and other impurities to make clean fuels. This 24 hour plant reportedly has 11 full-time employees onsite. The plant has a maximum of 44,600 pounds of flammable gas containing approximately 12.2% hydrogen and 12.2% methane, by weight, at any given time.

Hazardous Substances Stored or Produced Onsite and their Immediate Health Effects

- Hydrogen: an odorless, extremely flammable gas. Inhalation may cause dizziness, shortness of breath and unconsciousness.



3-year Accident History (Last Updated July 2024)

There have been no qualifying incidents to report in the last three years.

Safety Features and Recent Improvements (Updated May 2024):

Air Products has recently enhanced its safety measures. The facility has improved process safety and emergency response systems. There were no major chemical accidents in the past year, demonstrating effective safety protocols. The refinery completed 919 circuit inspections in 2023 and plans to inspect 54 additional circuits in 2024. No enforcement actions or penalties were issued, reflecting strong compliance with safety regulations. Despite recent changes in leadership, the safety programs have remained effective, and management continues to address any potential issues. The control room has been upgraded with new controls, additional blast-resistant shelters, smoke detectors, and a manual HVAC shutdown system to ensure the safety of personnel. The facility also maintains detailed safety information, including materials of construction, process chemistry, and safety systems for equipment.

Summary of the Most Recent Audit (October 2023):

AP MRC oversees the implementation of the CalARP/ISO Programs. The recent audit praised the refinery for its diligent maintenance of detailed safety information, including process chemistry, materials of construction, and safety systems for equipment. Noteworthy improvements were observed in resource allocation and safety culture, reflecting a commitment to continuous enhancement. However, the audit identified areas needing further attention, particularly in the implementation of inherently safer systems and comprehensive training programs. While some deficiencies were noted, no major incidents occurred, and the facility remains in strong compliance with safety regulations.

For more information:

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

CCHHMP 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 or call 925-655-3200.