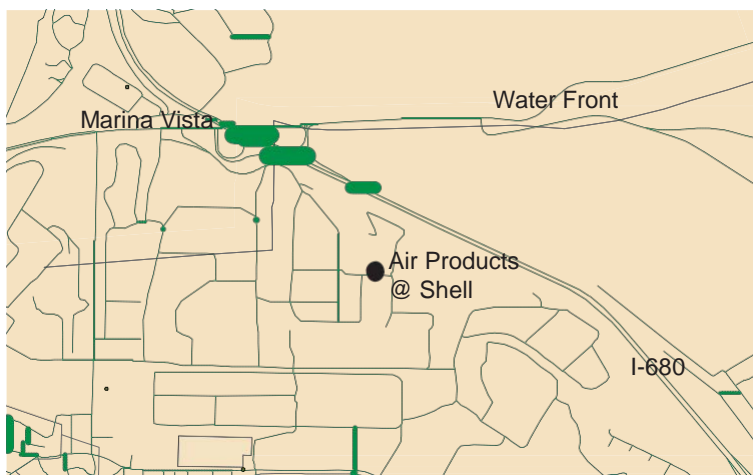## The Air Products Shell Hydrogen Plant is part of the Global Operations Group, Air Products and Chemicals Inc. of Allentown, PA and is located inside the Shell Martinez Refinery. The primary purpose of this plant is to make gaseous hydrogen, mainly from natural gas; for Shell Martinez Refinery which 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.**

CONTRA COSTA
HEALTH SERVICES

April 2019

Martinez, CA

3-year Accident History (Last updated April, 2023)

There have been no incidents large enough to require reporting in the last three years.

Safety Features (updated October 2020):

- The site has made efforts to update and refine their site-specific documents in order to clarify the ISO requirements. Despite the challenges posed by the pandemic, the site has managed to overcome them and make progress in this regard.

Summary of Most Recent Audit (October 2020):

Summary of Most Recent Audit Findings (October 2020): AP MRC responsible for overseeing the CalARP/ISO Programs implementation. We acknowledge the significant improvements made to the safety culture assessment program and resource allocation, yet we noted the persistence of several repeat-ensure action items from the previous audit. To address this, we recommend close collaboration between Air Products and CCHSHMP, with Air Products providing quarterly updates on the status of those action items.

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 or call 925-335-3200.

April 2023