



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Compliance and Enforcement Division

INCIDENT REPORT

Phillips 66 Refinery (Site #A0016)
1380 San Pablo Avenue
Rodeo, California
February 23, 2021

On February 23, 2021, at approximately 8:00 pm, a tank used to store hydrocarbon materials at the Phillips 66 Refinery (Phillips) in Rodeo released Hydrogen Sulfide (H₂S) and natural gas vapors to the air via a pressure relief valve. Hydrogen sulfide has a strong “rotten egg” odor.

Phillips reported a Level 1 incident (hazardous materials release and expected to go off-site) via the Contra Costa Community Warning System at 8:53 pm. No shelter in place was called. Air District inspection staff was on scene at 10:18 pm to monitor the situation and was able to confirm H₂S odors in the area around Phillips.

There were elevated ambient levels of H₂S recorded at two different locations during this event. A H₂S concentration of 18 parts per billion (ppb) was recorded at the Rodeo Tormey ground level monitor (GLM) and a concentration of 7 ppb was recorded at the Benicia East 2nd Street GLM. The winds during the time of incident were from the southwest at 5-6 mph. The District received 41 air pollution complaints as a result of this release.

Air District staff will continue to monitor the situation and investigate this incident to determine if any violations of Air District regulations occurred.