

**ATTACHMENT B  
72 HOUR FOLLOW-UP NOTIFICATION REPORT FORM  
CONTRA COSTA HEALTH SERVICES**

**For CCHS Use Only:**

Received By: PS  
Date Received: 01/27/2023  
Incident Number: 23-01-21-03  
Copied To: \_\_\_\_\_  
Event Classification Level: 1

**INSTRUCTIONS:** A hardcopy and an electronic copy of this report is to be submitted for all Level 2 and 3 incidents or when requested by CCHS. See Attachment B-1 for suggestions regarding the type of information to be included in the report. Attach additional sheets as necessary. Forward the completed form to:

**ATTENTION:**

Hazardous Materials Program Director  
Contra Costa Hazardous Materials Programs  
4585 Pacheco Boulevard, Suite 100  
Martinez, CA 94553

**INCIDENT DATE:** January 21, 2023  
**INCIDENT TIME:** 2220 hrs.  
**FACILITY:** Phillips 66 Rodeo Refinery

**PERSON TO CONTACT FOR ADDITIONAL INFORMATION**

Jim Ferris, Emergency Response Team Lead Phone number - 510 245-4517

**I. SUMMARY OF EVENT:**

At 2220 hours on January 21<sup>st</sup>, 2023, the B-Turbine of the Rodeo Refinery Steam Power Plant tripped offline due to a malfunctioning speed sensor that erroneously read a high-speed level, which initiated a Safety Instrument System (SIS) shut-down. At the time of the event, the refinery was on two-turbine operation as the A-Turbine was down for scheduled planned maintenance. The loss of the B-Turbine created a steam shortage. To maintain sufficient steam for flare combustion efficiency, large steam consumption equipment was systematically shut down within several process units.

As the refinery began the controlled shut-down of several process units to stable conditions, flaring started at 2234 hrs and intermittent flaring lasted until the following morning at 1140 hours. As a result of this flaring, notifications were made to agencies and air monitoring was conducted in the communities adjacent to the refinery. All LEL, VOC, H2S and CO readings were below detection limits.

**II. AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION:**

CWS Level 1 at 2244 hrs  
Level 1 Alert Lasting > 20 Minutes 2333 hrs  
BAAQMD notified at 0021 hrs - M. Wall  
Cal OES notified at 0154 hrs - Romney - Case # 23-0669  
CCHS Hazamt 0200 hrs - Pham

**72-HOUR REPORT, PAGE 2**

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**III. AGENCIES RESPONDING, INCLUDING CONTACT NAMES AND PHONE NUMBERS:**

No Agencies responded to the event

**IV. EMERGENCY RESPONSE ACTIONS:**

2225 – Initiated controlled shutdown of large steam consumption equipment to preserve flare combustion efficiency  
2234 – Flaring started  
2244 – CWS Level-1 Alert issued  
2327 – Community Atmospheric Monitoring Initiated  
2333 – Level 1 Alert Lasting >20 Minutes issued  
0154 – Notification to Cal OES and CCHS for RQ >500 lbs Sulfur Dioxide  
0319 – CWS Level-1 Alert issued  
0406 – Level 1 Alert Lasting >20 Minutes issued

**V. IDENTITY OF MATERIAL RELEASED AND ESTIMATED OR KNOWN QUANTITIES:**

>500 lbs Sulfur Dioxide

**VI. METEOROLOGICAL CONDITIONS AT TIME OF EVENT** including wind speed, direction, and temperature:

Time	Wind speed	Direction
2300 hrs	3 knots	SE

Temperature was 44° F at 2300 hrs

**VII. DESCRIPTION OF INJURIES:**

There were no injuries.

**VIII. COMMUNITY IMPACT** including number of off-site complaints, air sampling data during event, etc.:

There were no odor complaints. Air monitoring conducted found no elevated levels. Calls from the community were related to the brightness of the flaring. Fenceline monitoring and Ground Level Monitors (GLM) readings were consistent with daily background readings.

**IX. INCIDENT INVESTIGATION RESULTS**

Is the investigation of the incident complete at this time? NO \_\_\_\_\_

If the answer is no, submit a 30 day final or interim report.

If the answer is yes, complete the following:

**72-HOUR REPORT, PAGE 3**

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**X. SUMMARIZE INVESTIGATION RESULTS BELOW OR ATTACH COPY OF REPORT:**

**XI. SUMMARIZE PREVENTATIVE MEASURES TO BE TAKEN TO PREVENT RECURRENCE INCLUDING MILESTONE AND COMPLETION DATES FOR IMPLEMENTATION:**