


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

For CCHS Use Only:

Received By: 
Date Received: 4/14/23
Incident Number: 230411-01
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: April 11, 2023
INCIDENT TIME: 1654
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 approximately 1642 hours on April 11, 2023, the A-Turbine of the Rodeo Refinery Steam Power Plant tripped offline due to a high temperature reading. A Safety Instrumented System (SIS) shutdown occurred, as per design. This occurred as the C-Turbine was being shut down for scheduled planned maintenance and regulatory required inspection. The loss of the A-Turbine created a steam shortage. Due to the loss of steam, designated steam consumption equipment was shut down along with designated operating units.

As the refinery began the controlled shut-down of several process units to stabilize conditions, visible flaring started at approximately 1654 hours. Intermittent flaring occurred until approximately 0359 hours the following day. There were periods of visible emissions during the initial flaring period due to reduced steam supply. As a result of 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 or consistent with background readings.

II. AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION:

- CWS Level 1 at 04/11/23 1713
- Level 1 Alert Lasting > 20 minutes 1728
- BAAQMD notified at 2136 J. Kimball
- Cal OES notified at 2116 Fuchinh, Case No.23-2564
- CCCHS Hazmat notified at 2136 A. Ackerman

72-HOUR REPORT, PAGE 2

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

The following conducted perimeter monitoring outside the refinery.

- CCCHS Hazmat A. Ackerman, 925-677-6700 (CCC on-call)
- BAAQMD Mobile Van Monitoring Mr. John Swanson, 415-749-5027

IV. EMERGENCY RESPONSE ACTIONS:

- 1642 – SPP A steam producer experiences unplanned shutdown
- 1642 – Initiated controlled shutdown of designated steam consumption equipment to preserve remaining steam production.
- 1654 – Visible flaring begins
- 1713 – CWS Level 1 issued
- 1715 – Community Atmospheric Monitoring Initiated
- 1728 – CWS Level 1 event lasting longer than 20 minutes issued
- 1730 – CCC A. Ackerman makes contact with Phillips 66 to discuss current event status.
- 1730 – Operational adjustments to steam and flare load reduces visible emissions
- 1758 – BAAQMD J. Kearns makes contact with Phillips 66 to discuss current event status
- 1830 – CCC A. Ackerman provides Phillips 66 with monitoring activity overview
- 1830 – BAAQMD notifies Phillips 66 of monitoring van deployment
- 2008 – BAAQMD J. Kearns and Phillips 66 discuss current event status
- 2116 – Notification to CA OES, CCCHS, & BAAQMD for RQ >500 lbs Sulfur Dioxide
- 2127 – CCC A. Ackerman and P66 discuss current event status
- 4/12/23 0827 – EPA Region IX F Moezzi requests event status update

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: 4:45 pm – 5 pm
- Wind Speed: 10.3 mph
- Direction: 250°
- Temperature: 59.8 F

VII. DESCRIPTION OF INJURIES:

There were no injuries.

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

We understand that BAAQMD received approximately 25 complaints relating to the flaring. Phillips 66 received one such complaint directly. Air monitoring conducted found no elevated levels. The complaints submitted to BAAQMD were related to visible emissions from flaring as well as odors detected. Fenceline monitoring readings were consistent with daily background readings. One of the Phillips 66 Ground Level Monitors (GLMs) recorded a BAAQMD 3-minute average H₂S level in excess of the BAAQMD Regulation 9-2-301 standard. The 3-minute

average limit was exceeded at 7:03 p.m. for one 3-minute period. The H₂S recorded was 85.08 ppb (limit = 60 ppb 3-min avg)

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: