



Shell Oil Products US

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**Contra Costa Health
Hazardous Materials**

Martinez Refinery
P.O. Box 711
Martinez, CA 94553-0071

August 16, 2016

Via hand delivery to CCC Health Services

Randall L. Sawyer
Chief Environmental Health and Hazardous Materials Officer
Contra Costa Hazardous Materials Programs
4585 Pacheco Boulevard, Suite 100
Martinez, CA 94553

Re: 72-Hour Report for 8/13/16 Incident

Dear Mr. Sawyer,

As requested by Contra Costa County Health Services, attached is the 72-Hour report regarding the incident which occurred at Shell Martinez Refinery on August 13, 2016. This report meets the requirements in the "Hazardous Materials Incident Notification Policy" dated January 22, 2016.

If you have any questions, please contact me at 925-313-3079 or via email at ha.nguyen@shell.com

Sincerely,

A handwritten signature in black ink, appearing to read "Ha Nguyen", is written over the typed name.

Ha Nguyen
Process Safety Manager

Attachment: 72-Hour Follow-up Notification Report Form

CC: ChoNai Cheung, CCCHSD
Michael Dossey, CCCHSD

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

For CCHS Use Only:

Received By: AM
Date Received: 8/16/16
Incident Number: 16-08-13
Copied To: TH, RS, SM, UK
Event Classification Level: _____

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: Randall L. Sawyer
Chief Environmental Health and Hazardous Materials Officer
Contra Costa Hazardous Materials Programs
4585 Pacheco Boulevard, Suite 100
Martinez, CA 94553

INCIDENT DATE: August 13, 2016
INCIDENT TIME: 12:10 pm (approximately)
FACILITY: Shell Martinez refinery

PERSON TO CONTACT FOR ADDITIONAL INFORMATION

Ha Nguyen Phone number 925-313-3079

I. SUMMARY OF EVENT:

At approximately 12:10 pm on August 13, 2016, an overhead pump at the straight run hydrotreater gasoline distillation column seized unexpectedly, causing the overhead accumulator to overfill liquid gasoline into the vent gas header and the vent gas compressor knock-out pot. The vent gas compressor tripped on a controlled protective function due to high liquid level in the knock-out pot and the vent gas line was subsequently flared for relief.

The spare overhead pump was started and levels returned to normal. The vent gas compressor was then restarted and flaring was stopped. The flaring lasted for approximately 26 minutes.

II. AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION:

The following agencies were notified by phone at the times in parentheses for a potential EPA Reportable Quantity (RQ) for hydrogen sulfide (H₂S):

- Contra Costa County Health Services: 12:55 pm via CWS level 0 and 2:05 pm by phone
- Bay Area Air Quality District: 12:55 pm via CWS level 0
- California Emergency Management Agency: 1:42 pm
- National Response Center: 1:52 pm

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

Contra Costa County Health Services Department – Todd Hickman

72-HOUR REPORT, PAGE 2

INCIDENT DATE: August 13, 2016

FACILITY: Shell Martinez refinery

IV. EMERGENCY RESPONSE ACTIONS:

Shortly after the flaring started security called the Refinery Team Leader to report that they received two phone calls within 3 minutes of each other about an odor. The Ground Level H2S Monitor by Ace hardware alarmed at 167 ppb and exceeded the 60 ppb 3 minute average Bay Area Air Quality Management District limit for about 4 minutes. A CWS Level 0 was called due to the flaring and the two odor complaints. The flaring lasted approximately 26 minutes. The spare overhead pump was started and levels returned to normal.

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

The material release from the flare is combustion products of a vent gas that contains H2S. When burned in the flare, the H2S is combusted to SO2. The estimated amount of SO2 released from the flare was 253 lbs.

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

The wind direction was 306 degrees and the wind speed was 14.1 mph. Conditions were clear and the temperature was approximately 86°F.

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 two community calls regarding this incident. The Ground Level H2S Monitor by Ace hardware alarmed at 167 ppb and exceeded the 60 ppb 3 minute average Bay Area Air Quality Management District limit for about 4 minutes.

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:

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: