

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

ATTENTION: Randall L. Sawyer
Hazardous Materials Programs Director
Contra Costa Health Services
4585 Pacheco Boulevard, Suite 100
Martinez, CA 94553

INCIDENT DATE: June 15, 2012

INCIDENT TIME: 07:10 AM

FACILITY: Phillips 66 Rodeo Refinery

PERSON TO CONTACT FOR ADDITIONAL INFORMATION

James Ferris Phone number (510) 245-4517

I. SUMMARY OF EVENT:

At 7:10 AM on June 15, 2012, an over-pressure occurred on Tank 294 causing an approximately twenty-foot separation in the roof-shell seam. Tank 294 stores "sour water" (dissolved ammonia and sulfur compounds) and light hydrocarbon. The opening released a combination of the natural gas blanket, hydrocarbons and hydrogen sulfide vapors into the air. Phillips 66 initiated its emergency response procedures, which included emergency response team members responding directly to Tank 294 and activation of the Refinery Incident Management Team (IMT) and Emergency Operations Center (EOC). We also made all required agency notifications.

As part of the response, we began draining sour water from the tank and directed water streams on the roof-shell opening to mitigate emissions. We also requested the use of Chevron's Aerial Foam Truck via the Petro-Chemical Mutual Aid Organization (PMAO). Community atmospheric monitoring was initiated and direct readings were taken downwind of the release location in the town of Crockett and along I-80 between Cummings Skyway and Willow Avenue exits.

Representatives from the Contra Costa County Health Services Hazmat Division and the Bay Area Air Quality Management District participated in the ICS-201 development, Incident Objectives and strategic decisions made to manage the incident.

Throughout the day on June 15th and 16th, various actions were taken to mitigate the release and reduce odors, including:

- Providing a nitrogen supply to the tank to purge the tank vapor space with nitrogen gas to replace the natural gas blanket and maintain the oxygen-free atmosphere inside the tank.
- Applying a water spray to the tank opening to suppress vapors.
- Removing the remaining material in the tank as rapidly as possible.
- Foam was applied inside the tank to further suppress vapors.
- Materials were procured and a repair plan developed to patch the opening. The patch was completed Saturday evening.

At 8:30 am on June 17th, 2012 the Incident was downgraded to a CWS Level-0 and emergency response operations were suspended. Activities will continue to further remove sour water and hydrocarbons from the tank in a safe manner until the tank can be taken out of service and ultimately cleaned and repaired.

A formal incident investigation is underway to determine the cause(s) of the incident and corrective actions.

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II. AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION:

The Community Warning System was activated for a Level 1 incident at 07:40 AM and the following agencies were notified:

- Contra Costa Health Services Department
- Bay Area Air Quality Management District
- Rodeo Hercules Fire Protection District
- Contra Costa County Sherriff's Office

At 08:00 AM the Incident was up-graded to a CWS Level-2 and the following additional agency notifications were subsequently made:

- | | | |
|---|----------|----------|
| • Cal OES – control number 12-3497 | 06/15/12 | 11:17 AM |
| • National Response Center - Case # 1014706 | 06/15/12 | 11:25 AM |
| • CA Dept of Public Health | 06/15/12 | 12:40 PM |
| • CARB – Office of Emergency Response | 06/15/12 | 1:04 PM |

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

Contra Costa Health Services – Hazmat	Jerry Yoshioka, Melissa Haggen, Lacey Freedman
Bay Area Air Quality Management District	John Swanson, Jeff Gove

IV. EMERGENCY RESPONSE ACTIONS:

The refinery Incident Management Team and the Emergency Operations Center were activated to manage the incident in conjunction with agency representatives:

- Sour Water was removed from the tank as quickly as possible. An approximate projection early in the incident was that the tank could be emptied by 1800 hrs on 6-16-12.
- Water sprays were applied to the shell-roof opening to dissipate vapors
- To maintain an inert, oxygen-free atmosphere inside the tank vapor space, nitrogen was injected into the tank instead of the normal natural gas.
- Atmospheric monitoring was conducted in the local community to assess whether the incident impacted human health and/or the environment
- Mutual Aid was requested to provide an aerial foam truck. This truck was used to provide a water suppressing spray and then to apply foam into the tank.
- A specialty contractor and materials were mobilized to apply a patch to the roof-shell opening. The patch was completed at approximately 11:00 p.m. on June 16th.

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

Natural gas, hydrogen sulfide and naphtha vapors were released. Phillips 66 has not yet been able to estimate release quantities.

VI. METEOROLOGICAL CONDITIONS AT TIME OF EVENT

Clear, Warm, Sunny Wind SW @ 3-8 mph, Temperature 65⁰ F

VII. DESCRIPTION OF INJURIES:

No Injuries Occurred.

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VIII. COMMUNITY IMPACT

The refinery received approximately 100 odor complaints. The BAAQMD and Contra Costa Health Services also received numerous odor complaints.

Our refinery Ground Level Monitoring system recorded the following maximum levels: Crockett GLM Max 3-Minute Average 0.215 ppm and Max 1-Hour Average 0.068 ppm, East Refinery GLM Max 3-Minute Average 0.105 ppm and Max 1-Hour Average 0.036 ppm.

Representatives from the refinery Health & Safety Department conducted offsite monitoring using a RAE Systems Multi-RAE 5-gas meters. Odors were detected in the surrounding community; however measured levels of VOCs (Volatile Organic Compounds) and H₂S were low. Additional measurements were taken by BAAQMD and CCHS-Hazmat. All off-site measured levels of H₂S were below 1.0 ppm and were most often below 0.1 ppm. Measured levels of VOCs were below 2.0 ppm.

IX. INCIDENT INVESTIGATION RESULTS

Is the investigation of the incident complete at this time? _____ Yes ___ X ___ 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: